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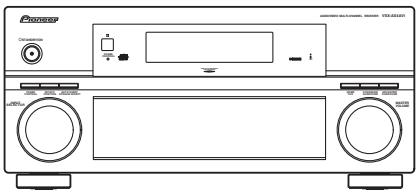
Service Manual



VSX-AX4AVi-S

ORDER NO.
RRV3261

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-AX4AVi-S
VSX-AX2AV-S

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	The voltage can be converted by the following method.
VSX-AX4AVi-S	HYXJ	AC220-230V	AC240V, *
VSX-AX2AV-S	HYXJ	AC220-230V	AC240V, *

***:Alter the wiring of the power-supply block at the primary winding of Power transformer referring to the Line Voltage Selection described in this Service Manual ("4.19 TRANS1 and PRIMARY ASSYS").**

For details, refer to "Important Check Points for Good Servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan
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ⓒ**PIONEER CORPORATION 2005**

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SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 – Proposition 65

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

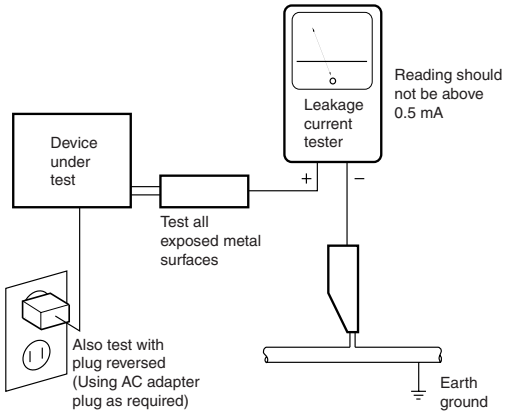
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety

Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity. (Refer to the example)

④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments

To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts

Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning

For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SPECIFICATIONS

Specifications

Continuous Power Output - Stereo

Front . . . . . .180 W + 180 W (AX4AVi)
170 W + 170 W (AX2AV)
(DIN 1 kHz, THD 1 %, 6 Ω)
Front . . . . . .150 W + 150 W (AX4AVi)
140 W + 140 W (AX2AV)
(DIN 1 kHz, THD 1 %, 8 Ω)

Continuous Power Output - Multichannel
(DIN 1 kHz, THD 1 %, 6 Ω)

Front . . . . . .180 W + 180 W (AX4AVi)
170 W + 170 W (AX2AV)
Center . . . . . .180 W (AX4AVi)
170 W (AX2AV)
Surround . . . . . .180 W + 180 W (AX4AVi)
170 W + 170 W (AX2AV)
Surround back . . . . . 180 W + 180 W (AX4AVi)
170 W + 170 W (AX2AV)
(DIN 1 kHz, THD 1 %, 8 Ω)
Front . . . . . .150 W + 150 W (AX4AVi)
140 W + 140 W (AX2AV)
Center . . . . . 150 W (AX4AVi), 140 W (AX2AV)
Surround . . . . . .150 W + 150 W (AX4AVi)
140 W + 140 W (AX2AV)
Surround back . . . . . 150 W + 150 W (AX4AVi)
140 W + 140 W (AX2AV)

Rated Power Output - Stereo (20 Hz-20 kHz, 0.09 %, 8 Ω) . . . . . .140 W+140 W (AX4AVi)
130 W+130 W (AX2AV)

- The above specifications are applicable when the power supply is 230 V.

Audio Section

Input (Sensitivity/Impedance)
LINE . . . . . 335 mV/47 kΩ
Frequency Response (LINE) . . . . . .
5 Hz to 100,000 Hz $^{+0}_{-3}$ dB
Output (Level/Impedance)
REC. . . . . 335 mV/2.2 kΩ
Tone Control
BASS . . . . . ± 6 dB (100 Hz)
TREBLE . . . . . ± 6 dB (10 kHz)
LOUDNESS . . . . . +4/+2 dB (100Hz/10 kHz)
(at volume position -40 dB)
Signal-to-Noise Ratio (IHF, short circuited, A network)
LINE . . . . . 103 dB
Signal-to-Noise Ratio
[DIN (continuous rated power output/50mW)]
LINE. . . . . 92/65 dB

Composite Video / S-Video Section

Input (Sensitivity/Impedance) . . . . . 1 Vp-p/75 Ω
Output (Level/Impedance) . . . . . 1 Vp-p/75 Ω
Signal-to-Noise Ratio . . . . . 65 dB
Frequency Response . . . . . 5 Hz to 10 MHz

Component Video Section

Input (Sensitivity/Impedance) . . . . . 1 Vp-p/75 Ω
Output (Level/Impedance). . . . . 1 Vp-p/75 Ω
Signal-to-Noise Ratio . . . . . 65 dB
Frequency Response. . . . . 5 Hz to 100 MHz

FM Tuner Section

Frequency Range . . . . . 87.5 MHz to 108 MHz
Usable Sensitivity . . . . . .
Mono: 15.2 dBf, IHF (1.6 μV/75 Ω)
50 dB Quieting Sensitivity . . . . . Mono: 20.2 dBf
Stereo: 41.2 dBf
Sensitivity (DIN) . . . . . Mono: 1.1 μV (S/N 26 dB)
Stereo: 50 μV (S/N 46 dB)
Signal-to-Noise Ratio . . . . Mono: 76 dB (at 85 dBf)
Stereo: 72 dB (at 85 dBf)
Signal-to-Noise Ratio (DIN) . . . . . Mono: 62 dB
Stereo: 58 dB
Distortion . . . . . Stereo: 0.6% (1 kHz)
Alternate Channel Selectivity . . . . 70 dB (400 kHz)
Stereo Separation. . . . . 40 dB (1 kHz)
Frequency Response . . . . 30 Hz to 15 kHz ± 1dB
Antenna Input . . . . . 75 Ω unbalanced

AM Tuner Section

Frequency Range . . . . . .
531 kHz to 1,602 kHz (9 kHz step)
Sensitivity (IHF, Loop antenna) . . . . . 350 μV/m
Selectivity . . . . . 30 dB
Signal-to-Noise Ratio . . . . . 50 dB
Antenna . . . . . Loop antenna

Miscellaneous

Power Requirements . . . . AC 220-230 V, 50/60 Hz
Power Consumption . . . . . 460 W
In standby . . . . . Less than 0.6 W
AC Outlet . . . . . (switched) 100 W MAX.
Dimensions . . . . . 420 (W) x 187 (H) x 462 (D) mm
Weight (without package) . . . . . 16.1 kg (AX4AVi)
16.0 kg (AX2AV)

Furnished Parts

Setup microphone (for Auto MCACC setup) 1
AA/LR6 dry cell batteries 2
Remote control unit 1
AM loop antenna 1
FM wire antenna 1
Audio control cable for iPod 1
Caution sheet 1
Warranty card 1
Operating instructions
Operating instructions (Audio control cable for iPod)

Note

- Specifications and the design are subject to possible modifications without notice, due to improvements.

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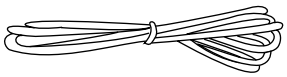
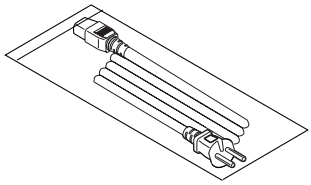
● Accessories

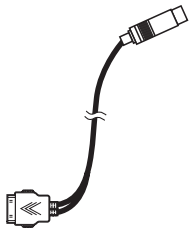
AM Loop Antenna
(ATB7013)



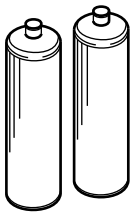
FM Wire Antenna
(ADH7030)



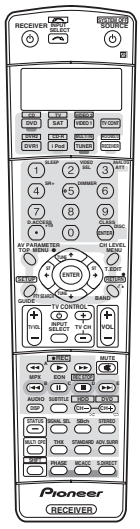
AC Power Cord
(ADG7062)



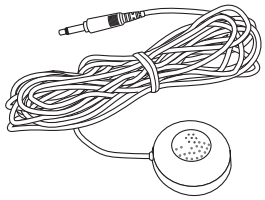
Audio Control Cable for iPod
(ADE7119)



AA/LR6 Dry Cell Batteries
(VEM1021)



Remote Control Unit
(AXD7412)

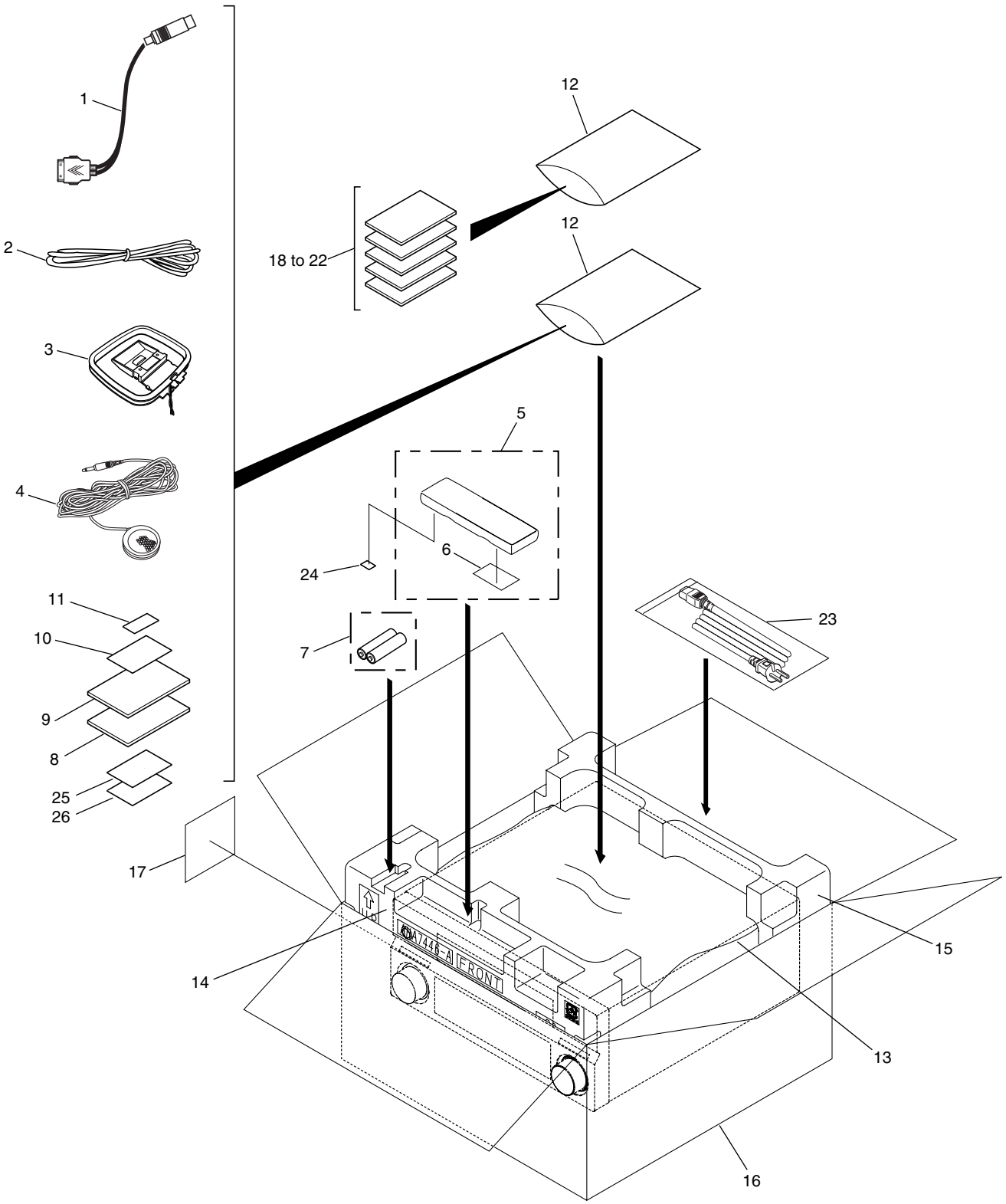


Setup Microphone
(for Auto MCACC setup)
(APM7006)

2. EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

2.1 PACKING



(1) PACKING SECTION PARTS LIST

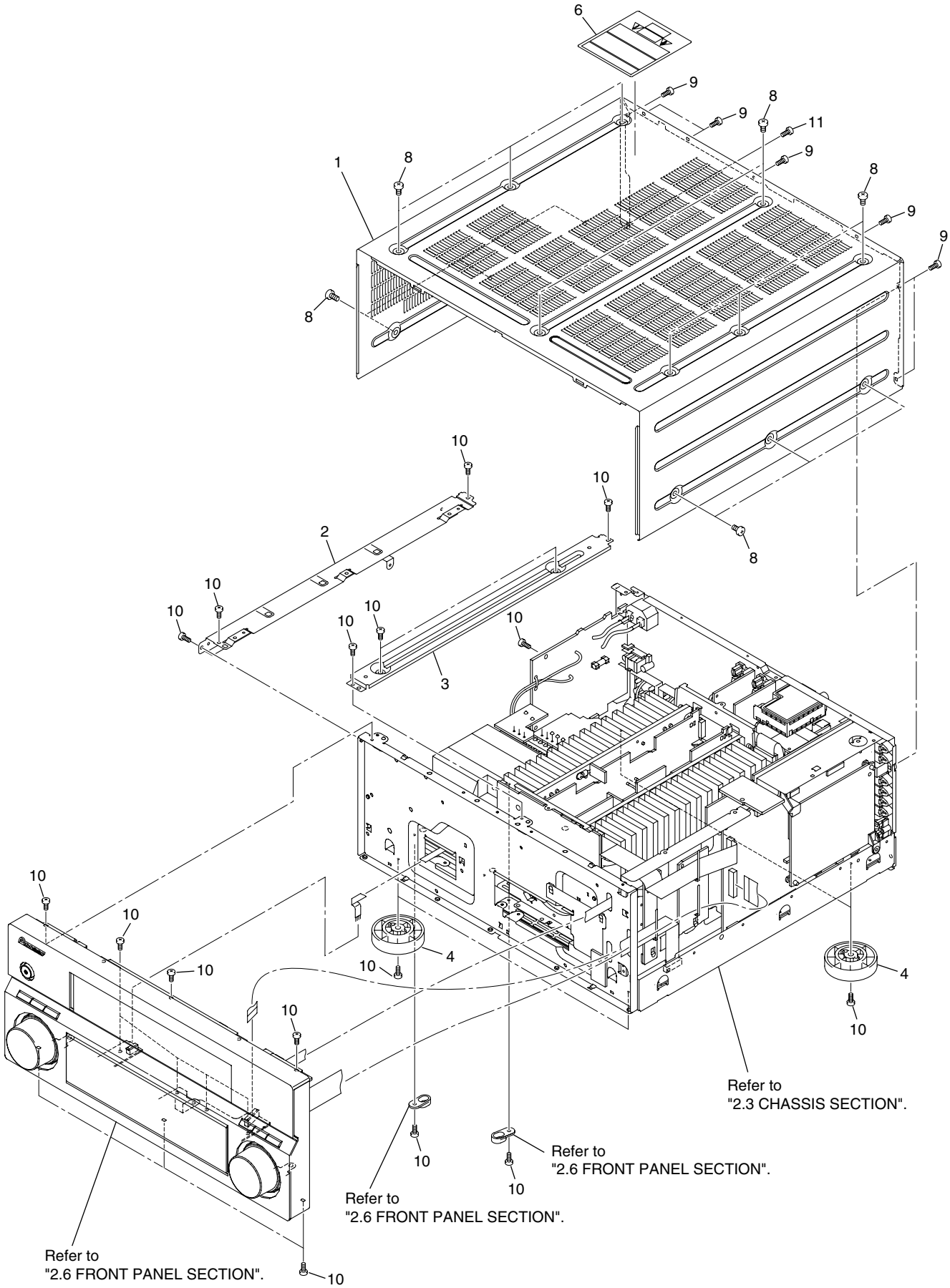
Mark	No.	Description	Part No.
	1	Audio Control Cable for iPod	ADE7119
	2	FM Wire Antenna	ADH7030
	3	AM Loop Antenna	ATB7013
	4	Setup Microphone (for Auto MCACC setup)	APM7006
	5	Remote Control Unit	AXD7412
	6	Battery Cover	XZN3140
NSP	7	AA/LR6 Dry Cell Batteries	VEM1021
	8	Operating Instructions (English)	ARB7335
	9	Operating Instructions (Audio Control Cable for iPod)	ARE7600
	10	Caution Sheet SP, E	ARM7056
NSP	11	Warranty Card	ARY7065
NSP	12	Polyethylene Bag	AHG7117
	13	Packing Sheet	RHC1023
	14	Front Pad 74	AHA7446
	15	Rear Pad 74	AHA7447
	16	Packing Case	See Contrast table (2)
	17	iPod Label	ARW7332
	18	Operating Instructions (French)	ARC7622
	19	Operating Instructions (German)	ARC7623
	20	Operating Instructions (Italian)	ARC7624
	21	Operating Instructions (Dutch)	ARC7625
	22	Operating Instructions (Spanish)	ARC7626
⚠	23	Power Cord	ADG7062
	24	Label (WEEE)	ARW7322
	25	Disclaimer	ARX7075
	26	Errata	ARX7078

(2) CONTRAST TABLE

VSX-AX2AV-S/HYXJ and VSX-AX4AVi-S/HYXJ are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-AX4AVi-S /HYXJ	VSX-AX2AV-S /HYXJ
	16	Packing Case	AHD8422	AHD8423

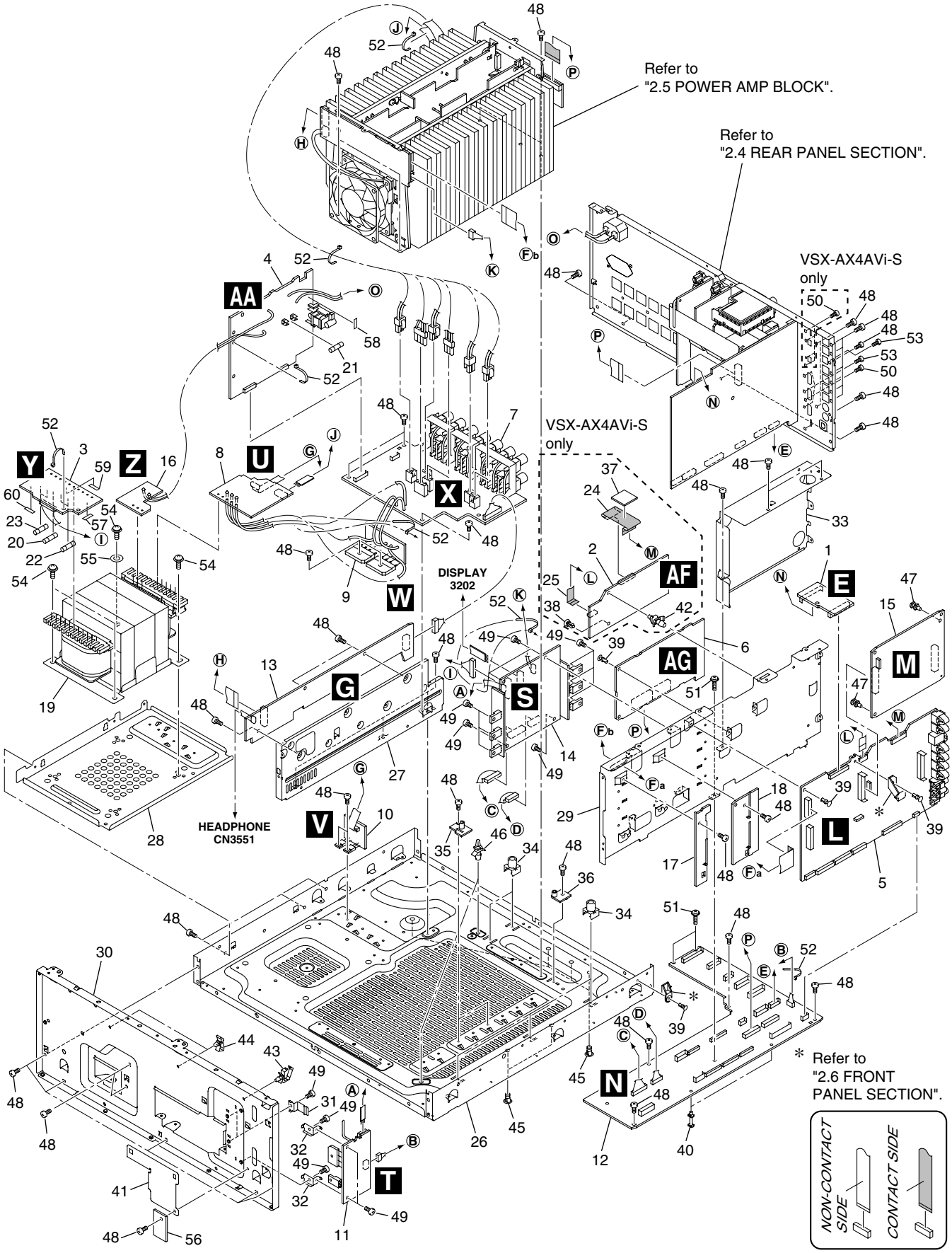
2.2 EXTERIOR


Refer to
"2.3 CHASSIS SECTION".
Refer to
"2.6 FRONT PANEL SECTION".
Refer to
"2.6 FRONT PANEL SECTION".
Refer to
"2.6 FRONT PANEL SECTION".

EXTERIOR SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Bonnet AX4S	AZN8008
	2	Left Beam 45	ANG7401
	3	Center Beam V1	ANG7482
	4	Insulator	PNW2766
	5	••••••	
	6	Label (DD/DTS/THX)	ARW7320
	7	••••••	
	8	Screw	BCZ40P060FNI
	9	Screw	BBT30P060FCC
	10	Screw	BBZ30P080FCC
	11	Screw	IBP30P090FCC

2.3 CHASSIS SECTION



(1) CHASSIS SECTION PARTS LIST

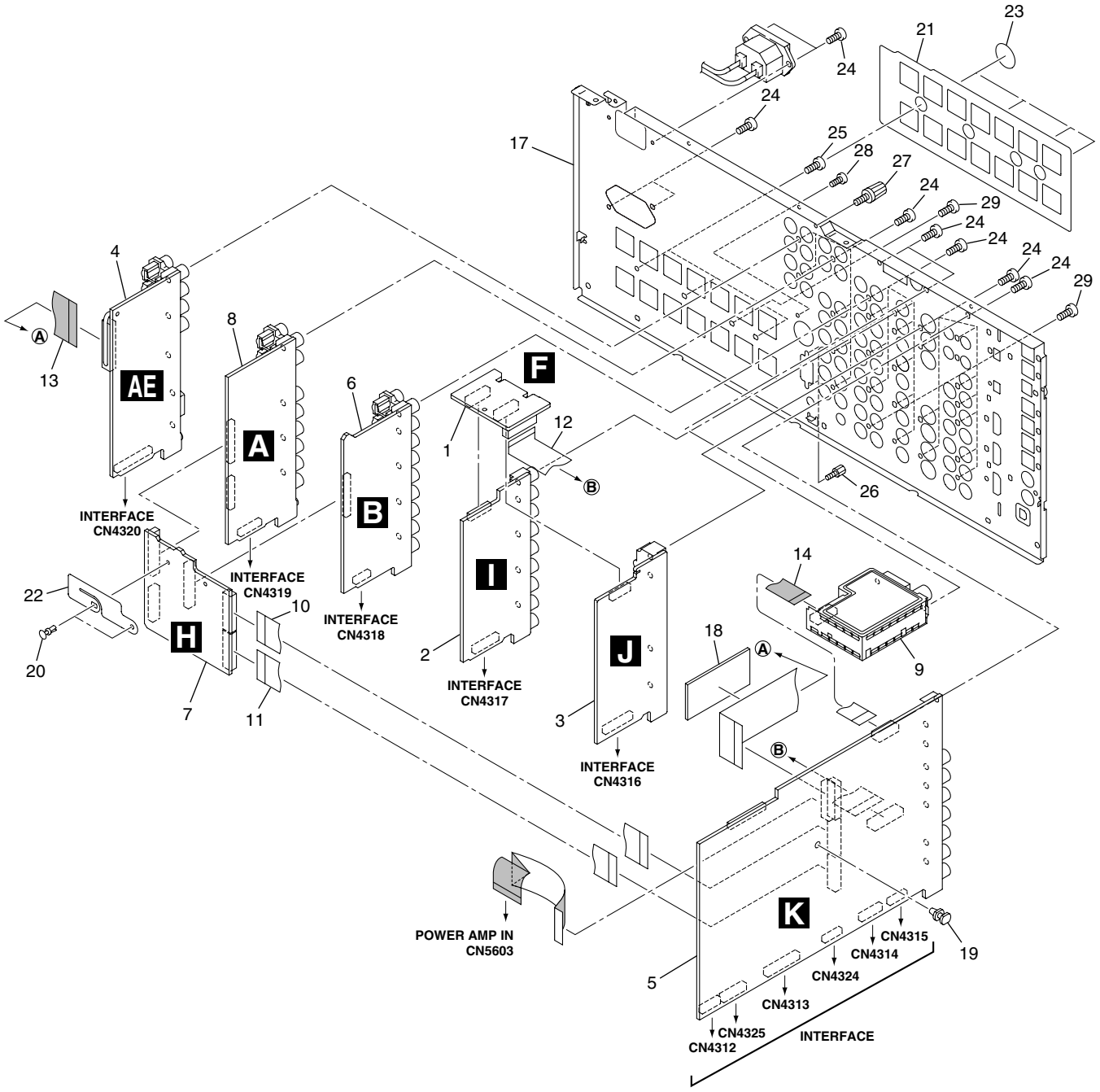
Mark	No.	Description	Part No.
NSP	1	BRIDGE 1 Assy	AWX8667
	2	1394 Assy	See Contrast table (2)
	3	TRANS 2-2 Assy	AWX8626
	4	PRIMARY Assy	AWX8629
	5	DIGITAL MOTHER Assy	See Contrast table (2)
	6	HDMI & DVC Assy	AWQ7024
	7	SP/PS Assy	See Contrast table (2)
	8	TRANS 2-1 Assy	AWX8647
NSP	9	DIODE Assy	AWX8648
	10	VH TR Assy	AWX8649
	11	DC/DC Assy	AWX8650
	12	INTERFACE Assy	AWX8651
NSP	13	TRANS SIDE Assy	AWX8652
	14	LOCAL SUPPLY Assy	AWX8672
	15	DSP Assy	AWX8599
	16	TRANS 1 Assy	•••••
NSP	17	FFC Guard (Front) Assy	AWX8634
NSP	18	FFC Guard (Side) Assy	AWX8696
⚠	19	Power Transformer (T1501)	ATS7403
⚠	20	Fuse (FU4 : T4AL/250V)	REK1028
⚠	21	Fuse (FU1 : T5AL/250V)	REK1029
⚠	22	Fuse (FU5, 6 : T800mAL/250V)	REK1021
⚠	23	Fuse (FU7, 8 : T2.5AL/250V)	REK1026
	24	22P Flexible Cable (J52)	See Contrast table (2)
	25	10P Flexible Cable (J53)	See Contrast table (2)
NSP	26	Under Base 72	ANA7182
	27	Under Beam V1	ANG7478
NSP	28	Trans. Frame 74	ANG7539
NSP	29	DSP Shield 74	ANG7540
NSP	30	Panel Stay 74	ANG7541
NSP	31	Transistor Holder	ANG7543
NSP	32	DC Assy Holder	ANG7544
NSP	33	HDMI Shield	ANK7124
	34	PCB Mold	AMR2534
	35	Inter Holder A	AMR7500
	36	Inter Holder B	AMR7501
	37	Shield Cushion	See Contrast table (2)
	38	Nyron Rivet	See Contrast table (2)
	39	Nyron Rivet	AEC7408
	40	Card Spacer	AEC7502
NSP	41	FR IN Barrier	AEC7538
	42	Locking Card Spacer	See Contrast table (2)
	43	Locking Wire Saddle	AEC7550
	44	Side Clamp	DEC2007
	45	Card Spacer	DNK2769
	46	Locking Card Spacer	PNW2917
	47	PC Support	VEC1508
	48	Screw	BBZ30P080FCC
	49	Screw	BBZ30P060FCC
	50	Screw	BBZ26P080FCC
	51	Screw 3 x 15	ABA7100
NSP	52	Binder (BK-1)	ZCA-BK1
	53	Screw	PMZ30P060FCC
	54	Screw	ABA7125
	55	Washer	WH40FNI
NSP	56	Barrier Holder	••••••
NSP	57	Fuse Card	AXX2367
NSP	58	Fuse Card	AXX7098
NSP	59	Fuse Card	AXX7099
NSP	60	Fuse Card	AXX7277

(2) CONTRAST TABLE

VSX-AX2AV-S/HYXJ and VSX-AX4AVi-S/HYXJ are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-AX4AVi-S /HYXJ	VSX-AX2AV-S /HYXJ
	2	1394 Assy	AWK7882	Not used
	5	DIGITAL MOTHER Assy	AWP7038	AWP7043
	7	SP/PS Assy	AWX8643	AWX8645
	24	22P Flexible Cable (J52)	ADD7517	Not used
	25	10P Flexible Cable (J53)	ADD7518	Not used
	37	Shield Cushion	AEB7372	Not used
	38	Nyron Rivet	AEC7406	Not used
	42	Locking Card Spacer	AEC7549	Not used

2.4 REAR PANEL SECTION



(1) REAR PANEL SECTION PARTS LIST

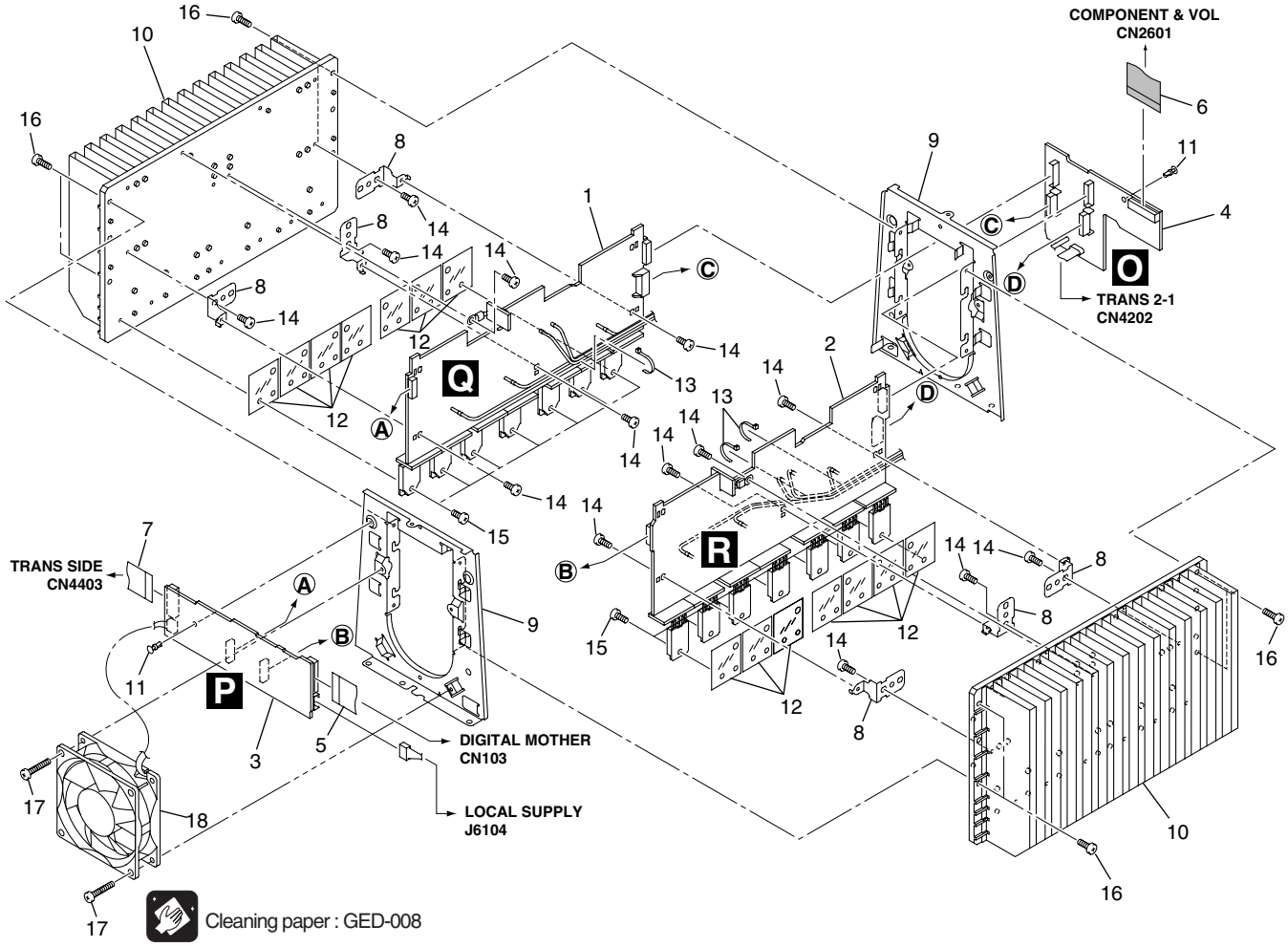
Mark	No.	Description	Part No.
NSP	1	BRIDGE 2 Assy	AWX8668
	2	COMPOSITE V Assy	AWX8620
	3	S VIDEO Assy	AWX8622
	4	PREOUT & CONTROL Assy	AWX8689
	5	COMPONENT & VOL Assy	See Contrast table (2)
	6	V-AUDIO Assy	AWX8690
NSP	7	BRIDGE 3 Assy	AWX8669
	8	AUDIO & MULTI CH IN Assy	AWX8687
	9	FM/AM TUNER Unit	AXX7170
	10	19P Flexible Cable (J45)	ADD7511
	11	17P Flexible Cable (J46)	ADD7512
	12	17P Flexible Cable (J47)	ADD7513
	13	26P Flexible Cable (J48)	ADD7514
	14	11P Flexible Cable (J54)	ADD7519
	15	••••••	
	16	••••••	
	17	Rear Panel	See Contrast table (2)
	18	FFC Cushion	AEB7373
NSP	19	PCB Spacer (3 x 6)	AEC7156
	20	Nyron Rivet	AEC7408
	21	SP Sheet AX4, 2HY	AEC7559
NSP	22	Connect Barrier	AEC7541
	23	Cushion Circle 16B	AED7052
	24	Screw	BBZ30P080FCC
	25	Screw	BBZ30P100FCC
	26	Screw 2.85 x 7	ABA7078
	27	Terminal Screw	AKE-031
	28	Screw	BBZ26P080FCC
	29	Screw	BBT30P100FCC

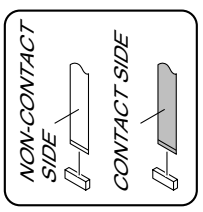
(2) CONTRAST TABLE

VSX-AX2AV-S/HYXJ and VSX-AX4AVi-S/HYXJ are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-AX4AVi-S /HYXJ	VSX-AX2AV-S /HYXJ
	5	COMPONENT & VOL Assy	AWQ7034	AWQ7035
	17	Rear Panel AX4HY	ANC8328	Not used
	17	Rear Panel AX2HY	Not used	ANC8331

2.5 POWER AMP BLOCK

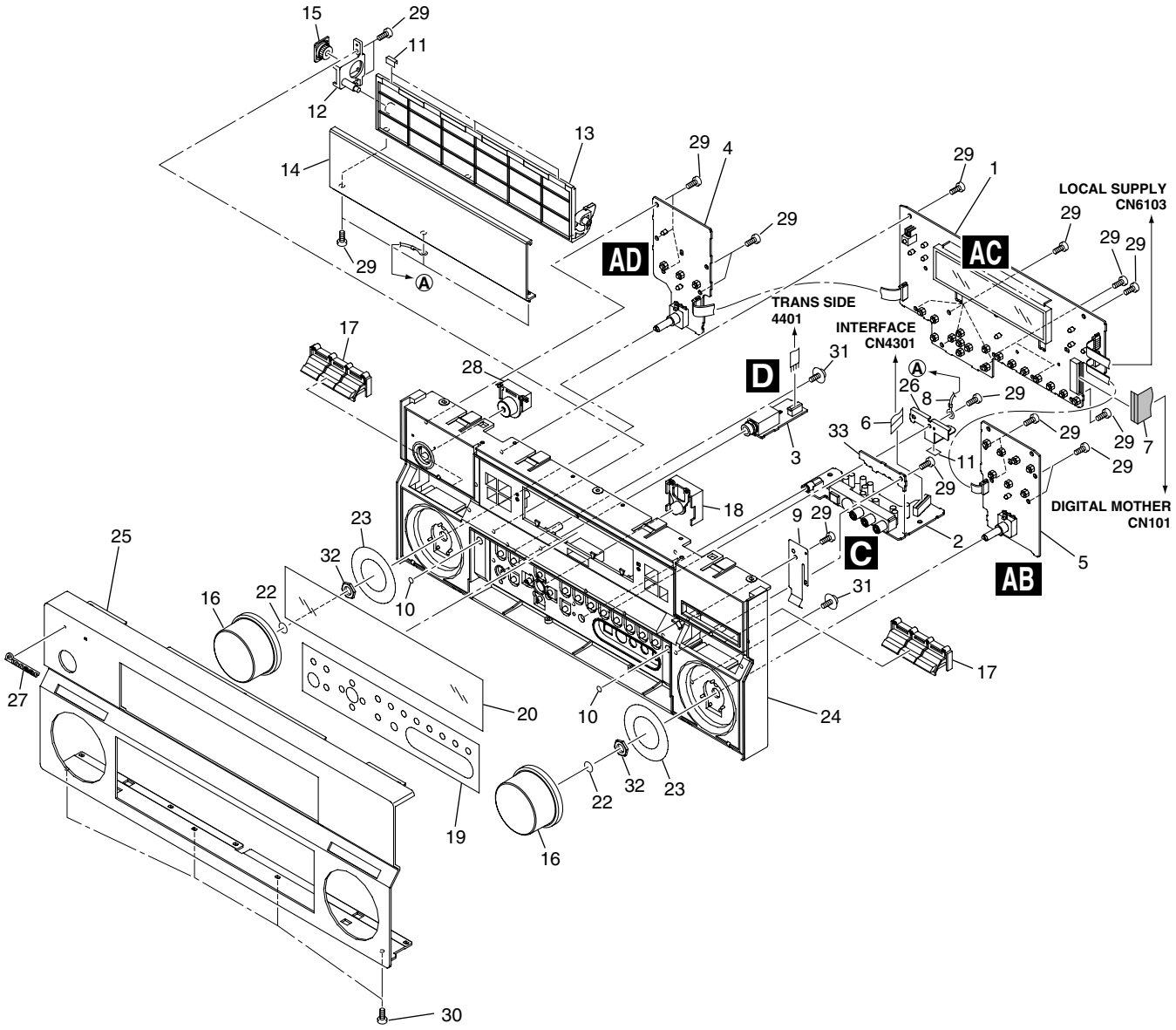


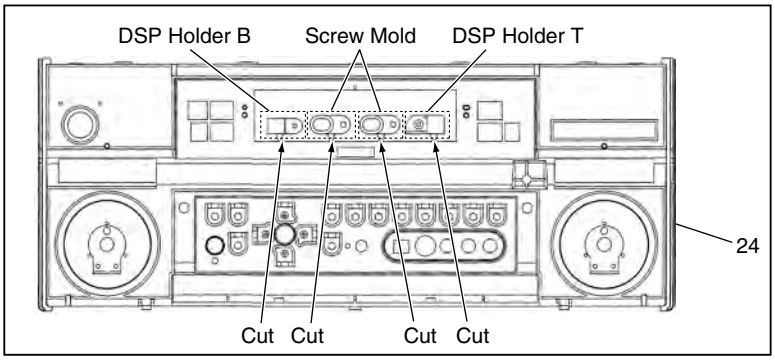


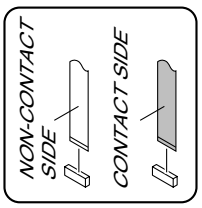
POWER AMP BLOCK PARTS LIST

Mark	No.	Description	Part No.
	1	POWER AMP-L Assy	AWX8655
	2	POWER AMP-R Assy	AWX8657
	3	POWER PROTECT Assy	AWX8659
	4	POWER AMP IN Assy	AWX8662
	5	19P Flexible Cable (J43)	ADD7509
	6	19P Flexible Cable (J44)	ADD7510
	7	17P Flexible Cable (J51)	ADD7516
	8	PCB Angle 45	ANG7406
NSP	9	HS Angle 74	ANG7542
NSP	10	Heatsink 74	ANH7181
	11	Nyron Rivet	AEC7408
	12	Mica Sheet	AEC7545
NSP	13	Binder (BK-1)	ZCA-BK1
	14	Screw	BBZ30P080FCC
	15	Screw 3 x 19	ABA7085
	16	Screw	BBT30P100FCC
	17	Screw	BBZ30P300FTC
	18	DC Fan Motor	AXM7029

2.6 FRONT PANEL SECTION







(1) FRONT PANEL SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	DISPLAY Assy	See Contrast table (2)
	2	FRONT-IN Assy	AWX8638
	3	HEADPHONE Assy	AWX8639
	4	INPUT SELECT Assy	AWX8640
	5	VOLUME Assy	AWX8641
	6	15P Flexible Cable (J41)	ADD7507
	7	23P Flexible Cable (J42)	ADD7508
NSP	8	Cord with Plug	ADH7022
	9	Door Spring	ABK7061
	10	Cushion Circle 6S	AED7080
	11	Cushion 11 x 7	AED7092
	12	Door Shaft 35	AMR7295
	13	Door Base S	AMR7510
	14	Door Panel AX4HY	ANB7371
	15	Damper Assy (200)	AXA7088
	16	Rotary Knob S	AAA7034
	17	Hinge Button AX4S	AAD7746
	18	ENTER Button AX4S	AAD7749
	19	Door Sheet AX4HY	AAK8293
	20	Window	See Contrast table (2)
	21	••••••	
	22	Ring	ABH7213
	23	Knob Spacer 74	AEC7558
	24	Panel Base AX4S	AMB7902
	25	Front Panel	See Contrast table (2)
	26	Earth Plate A	ANG7484
	27	Pioneer Badge S	VAM1124
	28	STBY BTN 915P Assy	XAD3217
	29	Screw	BBZ30P080FNI
	30	Screw	BBZ30P080FNI
	31	Screw	ABA7110
	32	Nut	NK90FCU
NSP	33	Front In Folder	••••••

(2) CONTRAST TABLE

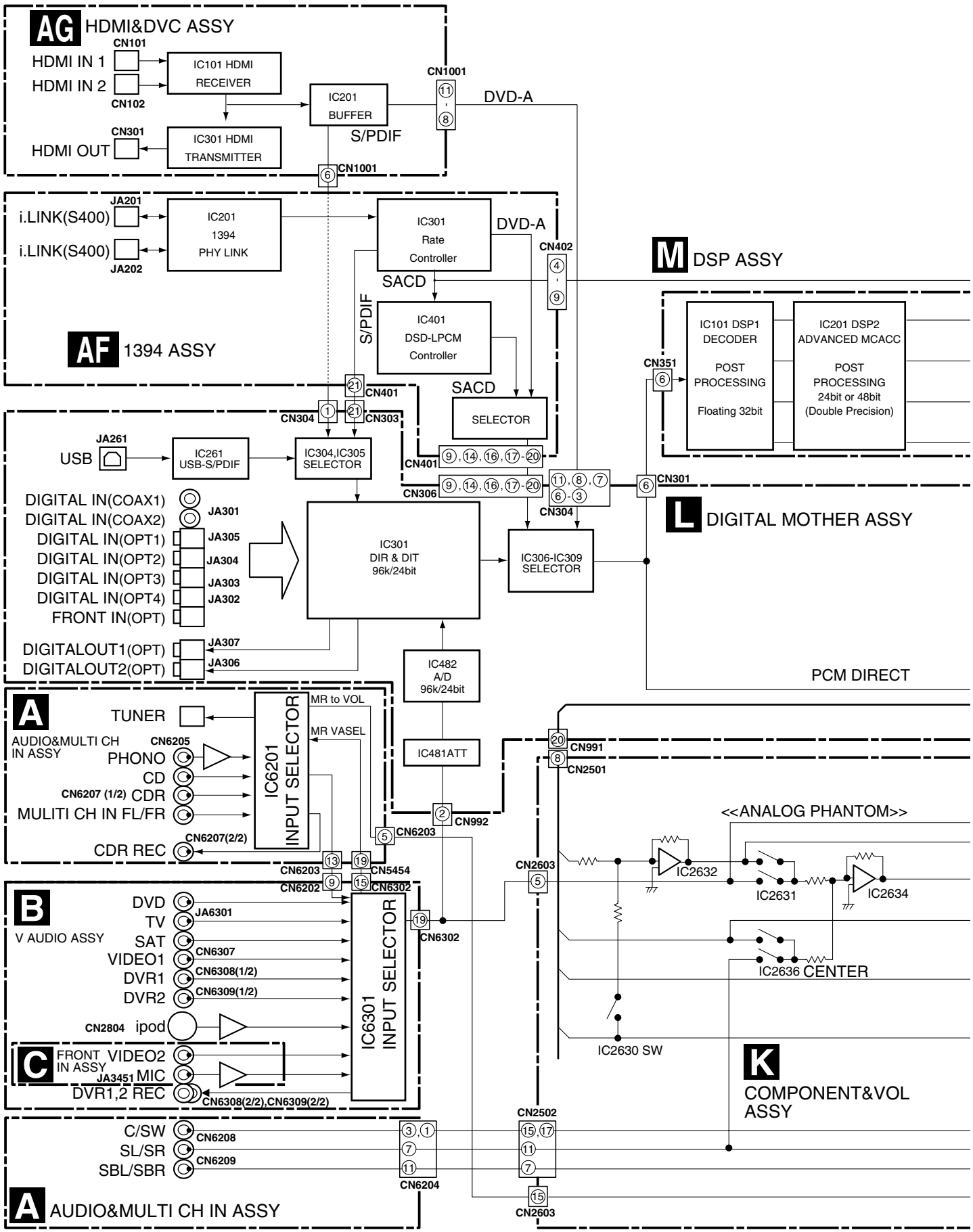
VSX-AX2AV-S/HYXJ and VSX-AX4AVi-S/HYXJ are constructed the same except for the following:

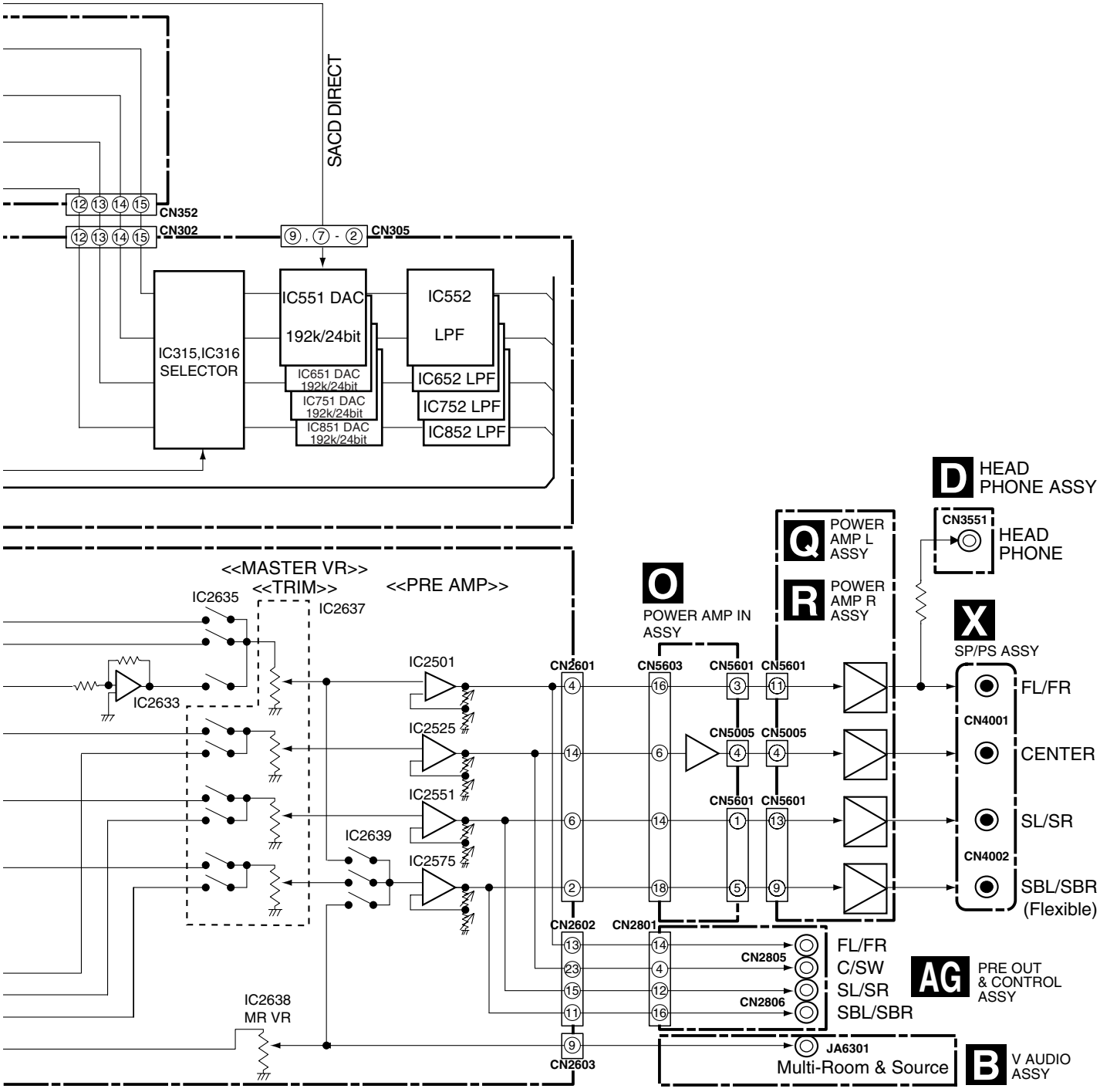
Mark	No.	Symbol and Description	VSX-AX4AVi-S /HYXJ	VSX-AX2AV-S /HYXJ
	1	DISPLAY Assy	AWX8635	AWX8636
	20	Window AX4	AAK8289	Not used
	20	Window AX2	Not used	AAK8290
	25	Front Panel AX4HY	ANB7379	Not used
	25	Front Panel AX2HY	Not used	ANB7380

3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

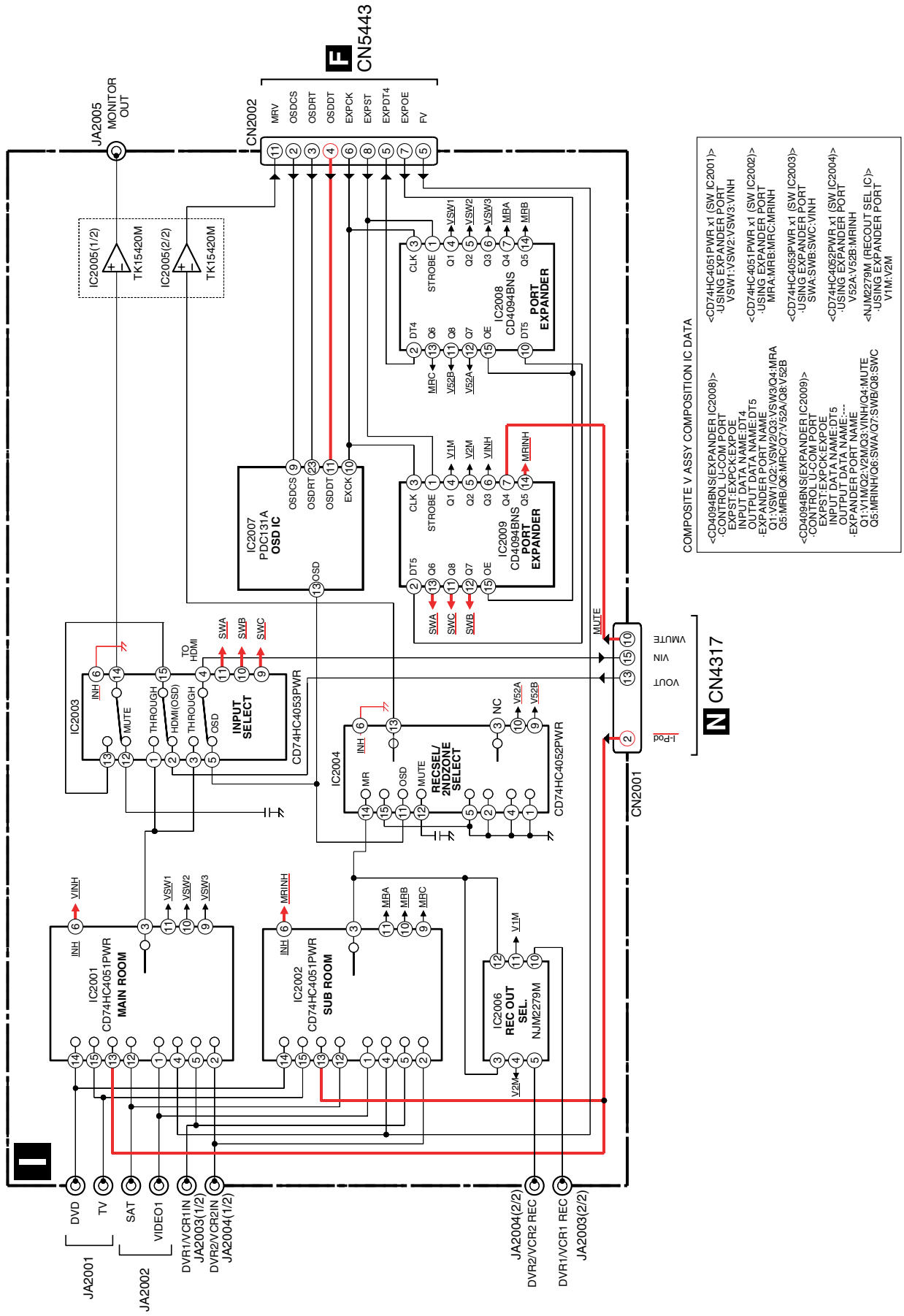
3.1 BLOCK DIAGRAM

3.1.1 OVERALL BLOCK DIAGRAM

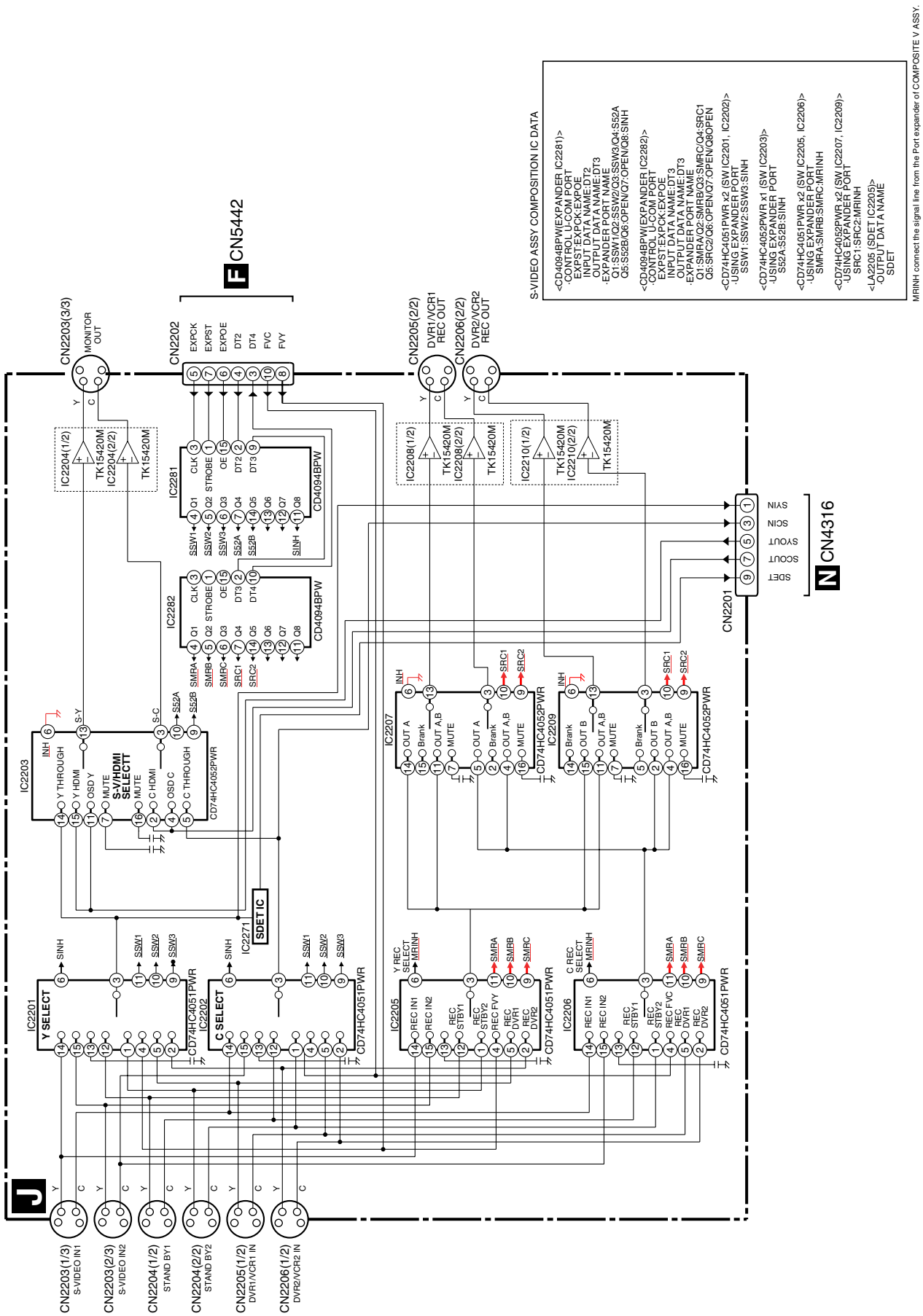



SACD DIRECT
CN352
CN302
CN305
IC315,IC316
SELECTOR
IC551 DAC
192k/24bit
IC552
LPF
IC651 DAC
192k/24bit
IC751 DAC
192k/24bit
IC851 DAC
192k/24bit
IC652 LPF
IC752 LPF
IC852 LPF
<<MASTER VR>>
<<TRIM>>
<<PRE AMP>>
IC2635
IC2637
IC2633
IC2501
IC2525
IC2551
IC2639
IC2575
IC2638
MR VR
CN2601
CN2602
CN2603
CN5603
CN5601
CN5005
CN2801
CN2805
CN2806
O
POWER AMP IN ASSY
Q
POWER AMP L ASSY
R
POWER AMP R ASSY
D
HEAD PHONE ASSY
CN3551
HEAD PHONE
X
SP/PS ASSY
CN4001
CN4002
FL/FR
CENTER
SL/SR
SBL/SBR (Flexible)
FL/FR
C/SW
SL/SR
SBL/SBR
AG
PRE OUT & CONTROL ASSY
JA6301
Multi-Room & Source
B
V AUDIO ASSY

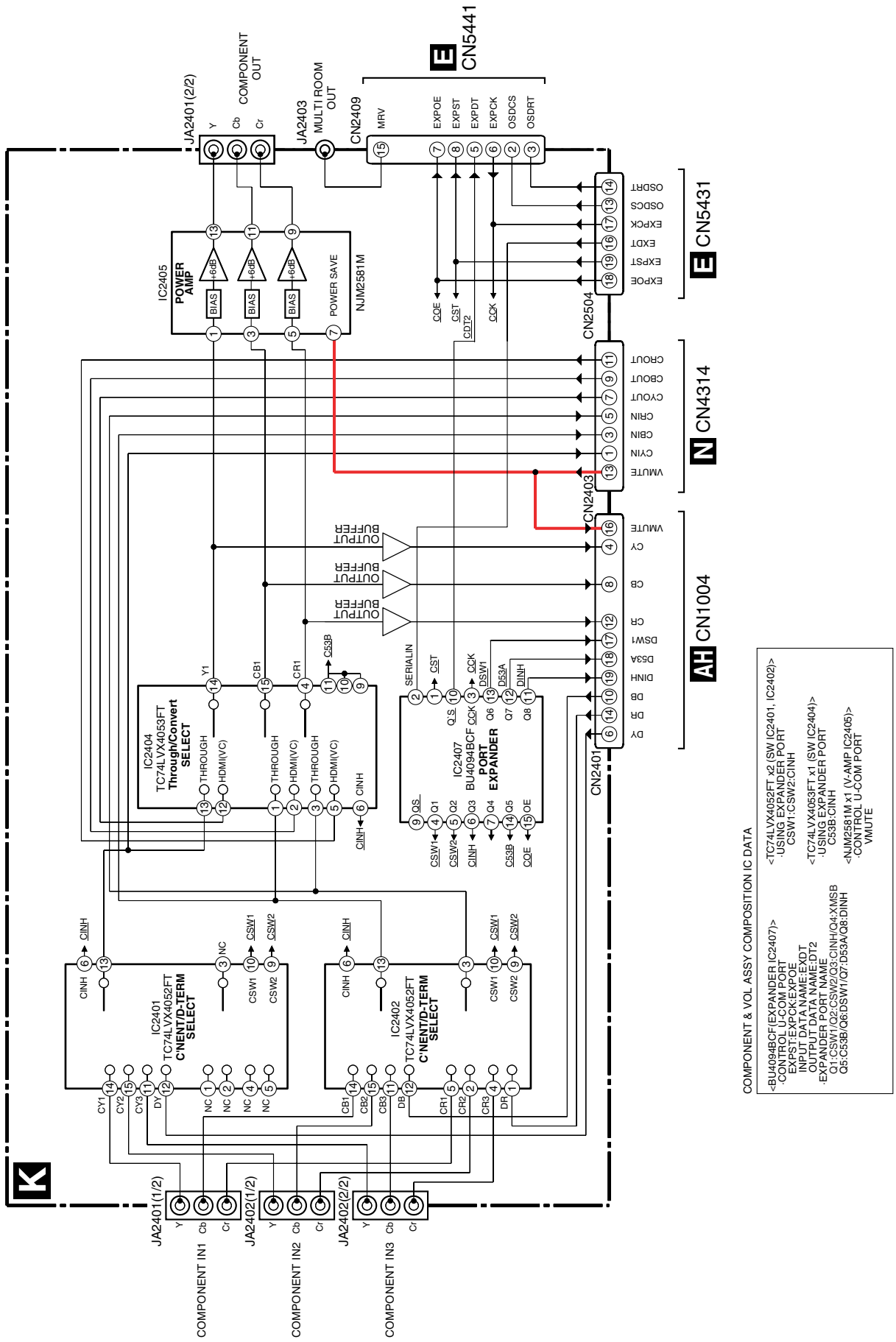
3.1.2 COMPOSITE V BLOCK DIAGRAM



3.1.3 S-VIDEO BLOCK DIAGRAM



3.1.4 COMPONENT &VOL BLOCK DIAGRAM



COMPONENT & VOL ASSY COMPOSITION IC DATA

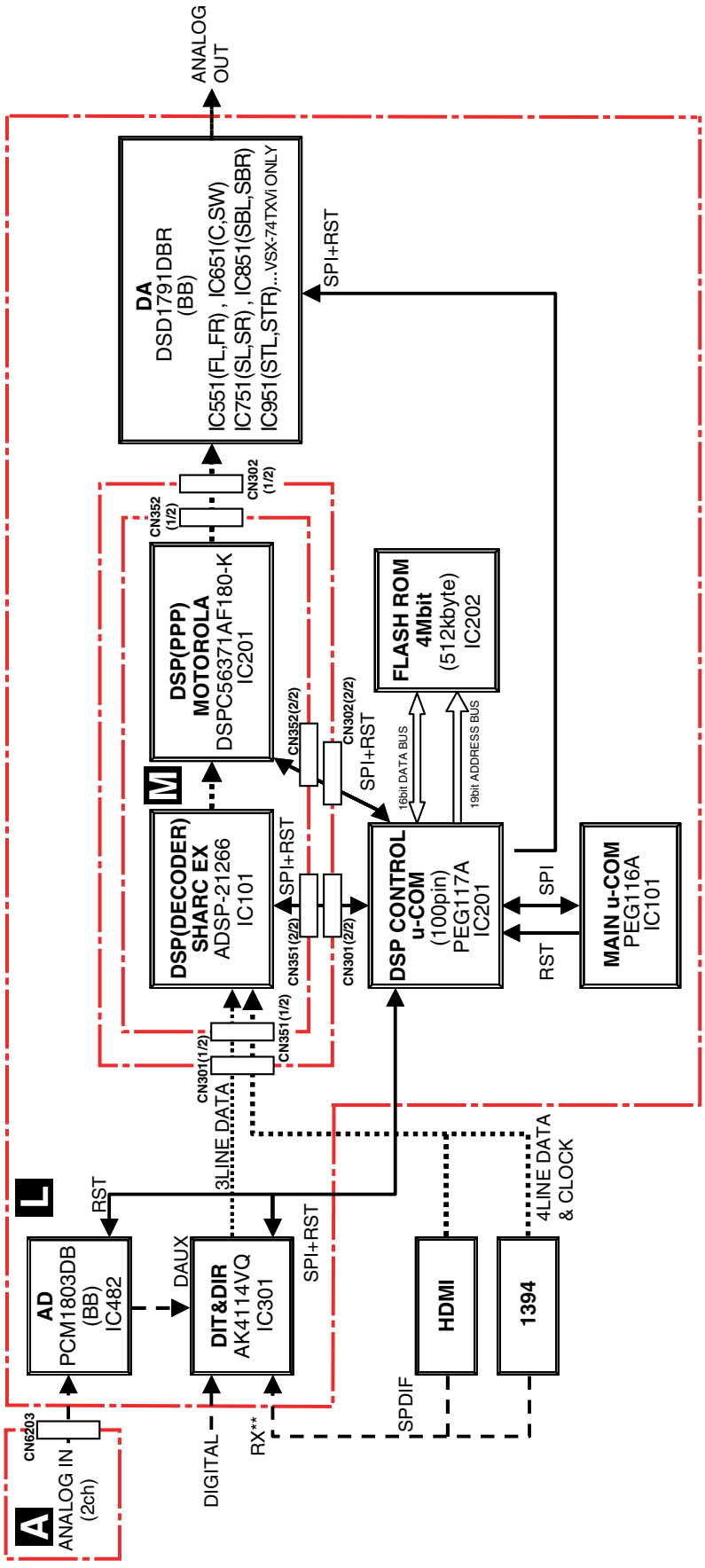
<BU4094BCF(EXPANDER IC2407)>
·CONTROL U-COM PORT
EXPST:EXPCK:EXPOE
INPUT DATA NAME:EXDT
OUTPUT DATA NAME:DT2
·EXPANDER PORT NAME
Q1:CSW1/Q2:CSW2/Q3:CINH/Q4:XMSB
Q5:C53B/Q6:DSW1/Q7:D53A/Q8:DINH

<TC74LVX4052FT x2 (SW IC2401, IC2402)>
·USING EXPANDER PORT
CSW1:CSW2:CINH

<TC74LVX4053FT x1 (SW IC2404)>
·USING EXPANDER PORT
C53B:CINH

<NJM2581M x1 (V-AMP IC2405)>
·CONTROL U-COM PORT
VMUTE

3.1.5 DSP BLOCK DIAGRAM



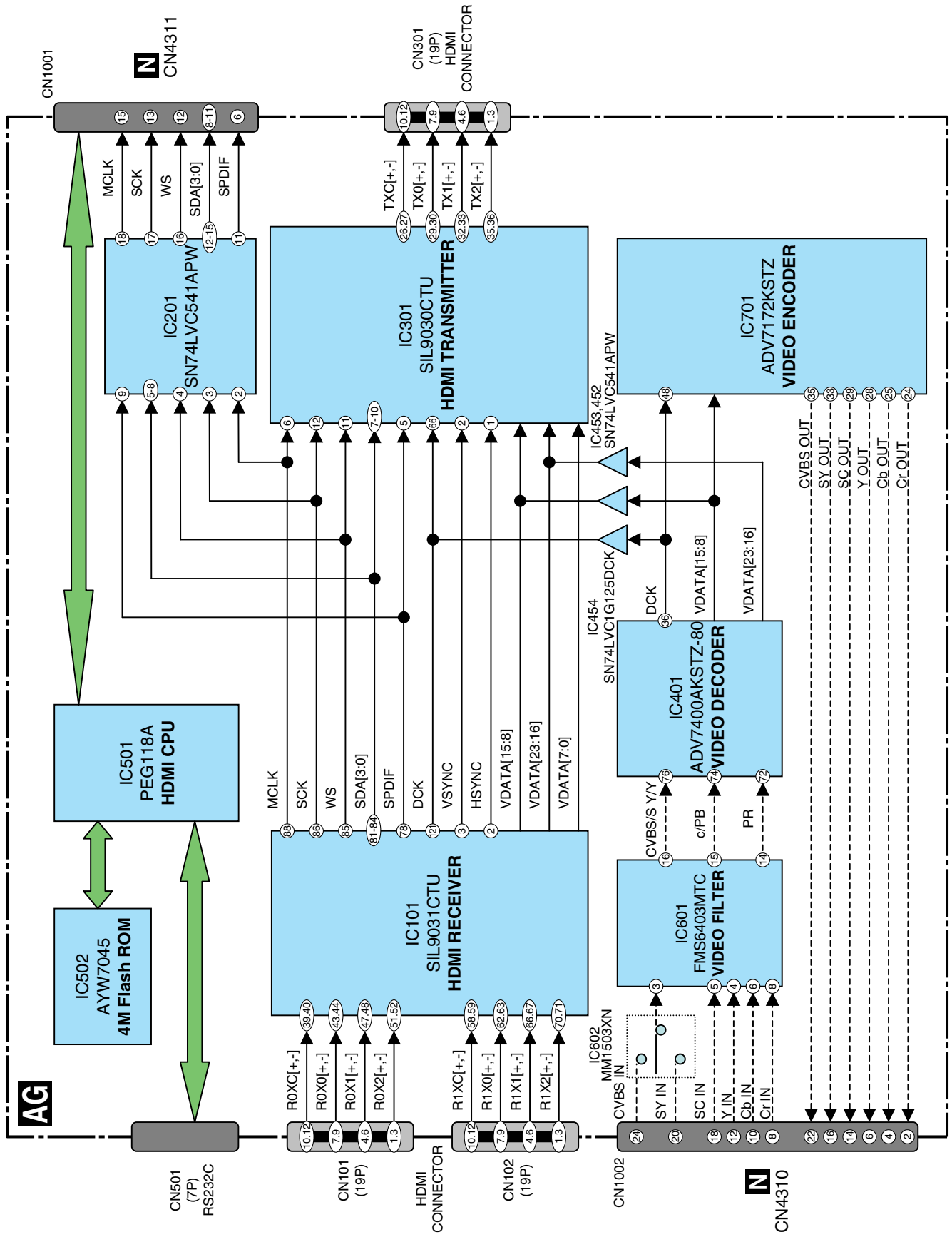
1.Description of Device ICs

IC No	IC Name	Description of function
IC 482	A/D Converter	Converts signals from an analog source into digital signals.
IC 301	Digital Audio Interface Transceiver & Receiver	Selecting digital data.
IC 101	DSP	Decoder for compressed sound such as AC-3 and DTS.
IC 201	DSP	P Company's original processor such as SFC.
IC 201	DSP Microcomputer } set	DSP Control / DIR Control / A/D,D/A Control
IC 202	FLASH ROM	DSP Microcomputer programs are stored in the flash rom.
IC 551,651,751, 851,951	D/A Converter	Converts digital signals into analog signals.

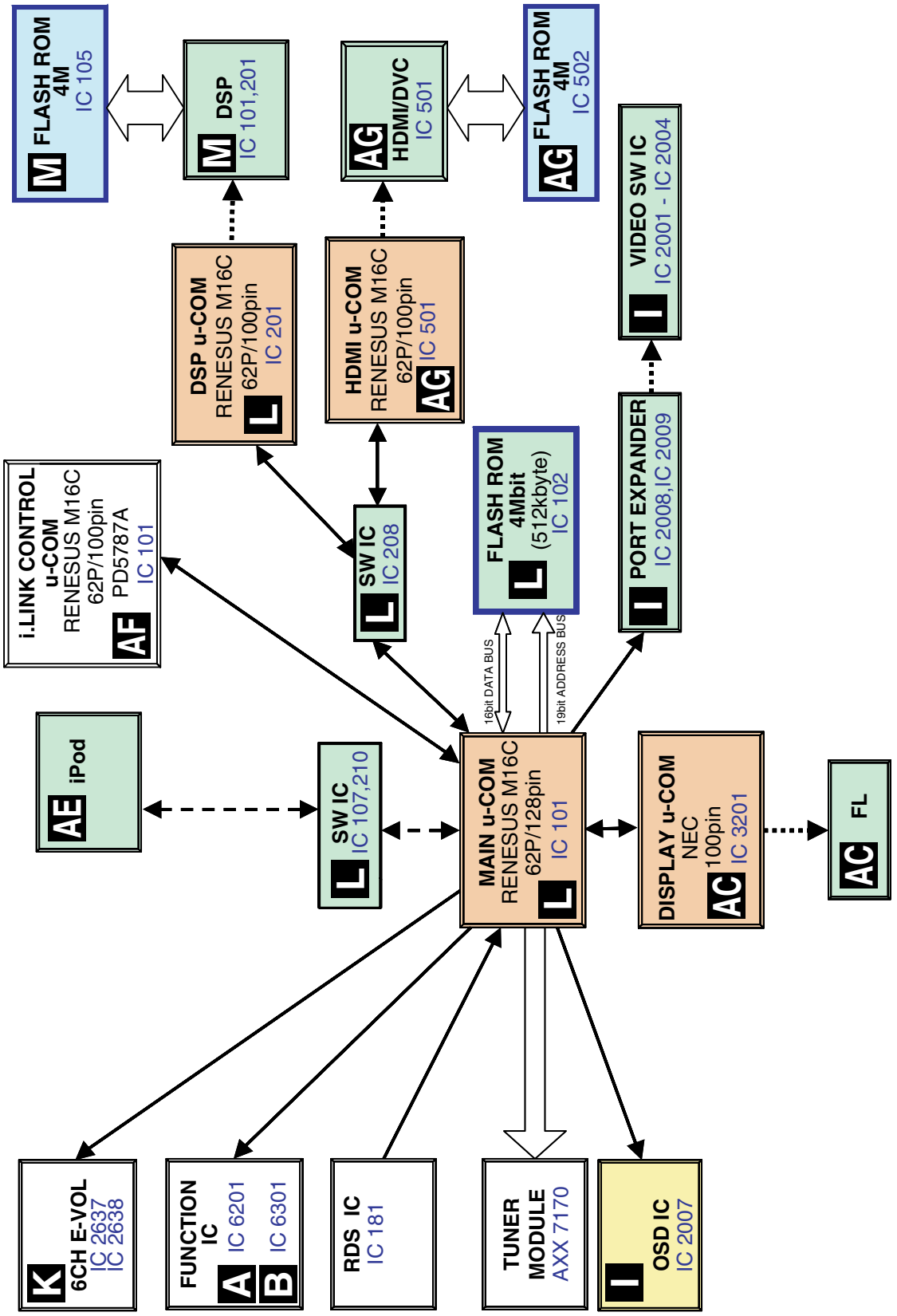
2.Description of Abbreviated Names

Signal name	Formal signal name	Description of signals
SPI	SONY/Philips Digital Interface	Consumer format used for exchanging digital audio signals.
RST	RESET	Reset signal.
PPP	Post Processing Phase	Denotes DSP processing (P Company's original surround processing), which are executed at the latter part of a decoder area.

3.1.6 HDMI & DVC BLOCK DIAGRAM

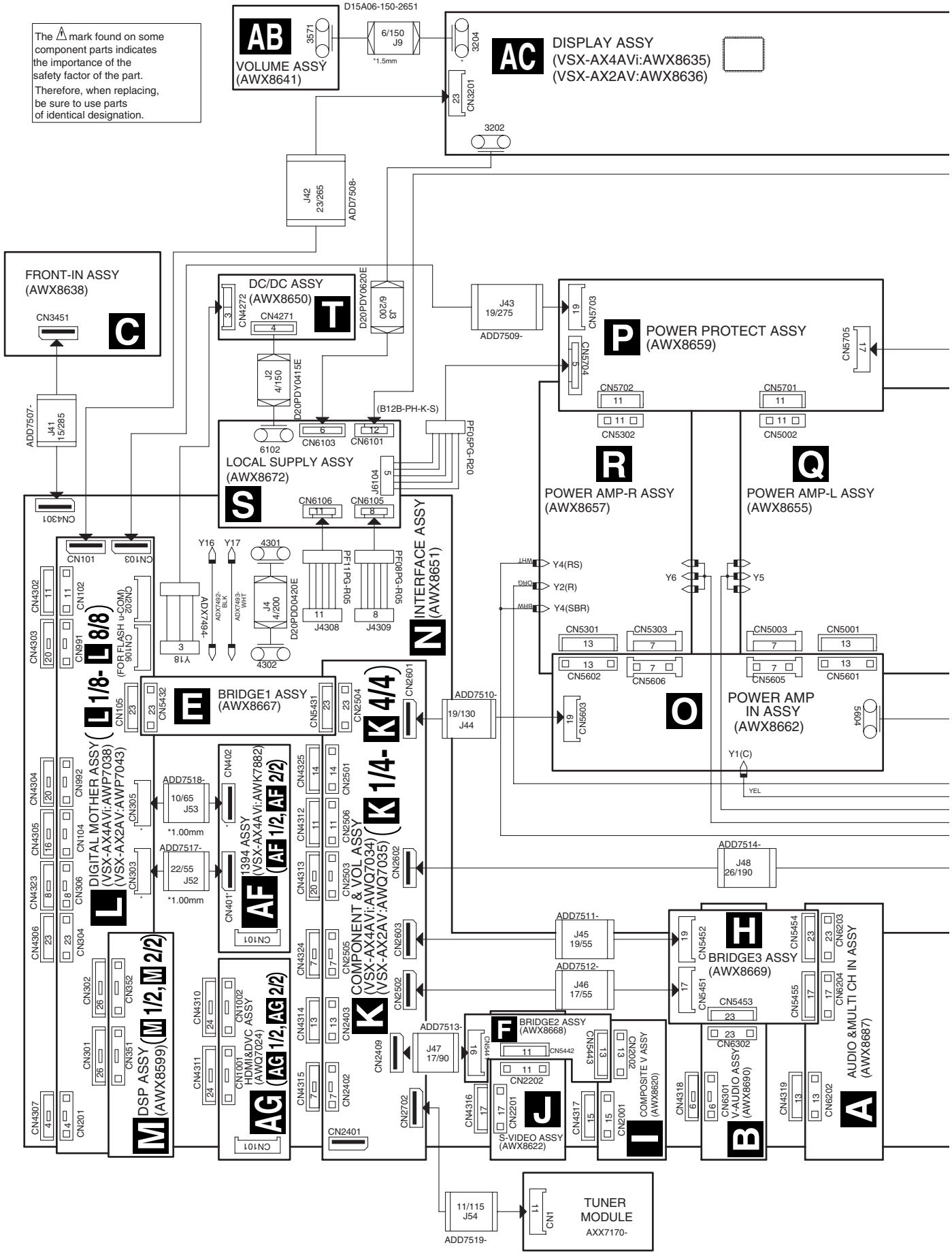


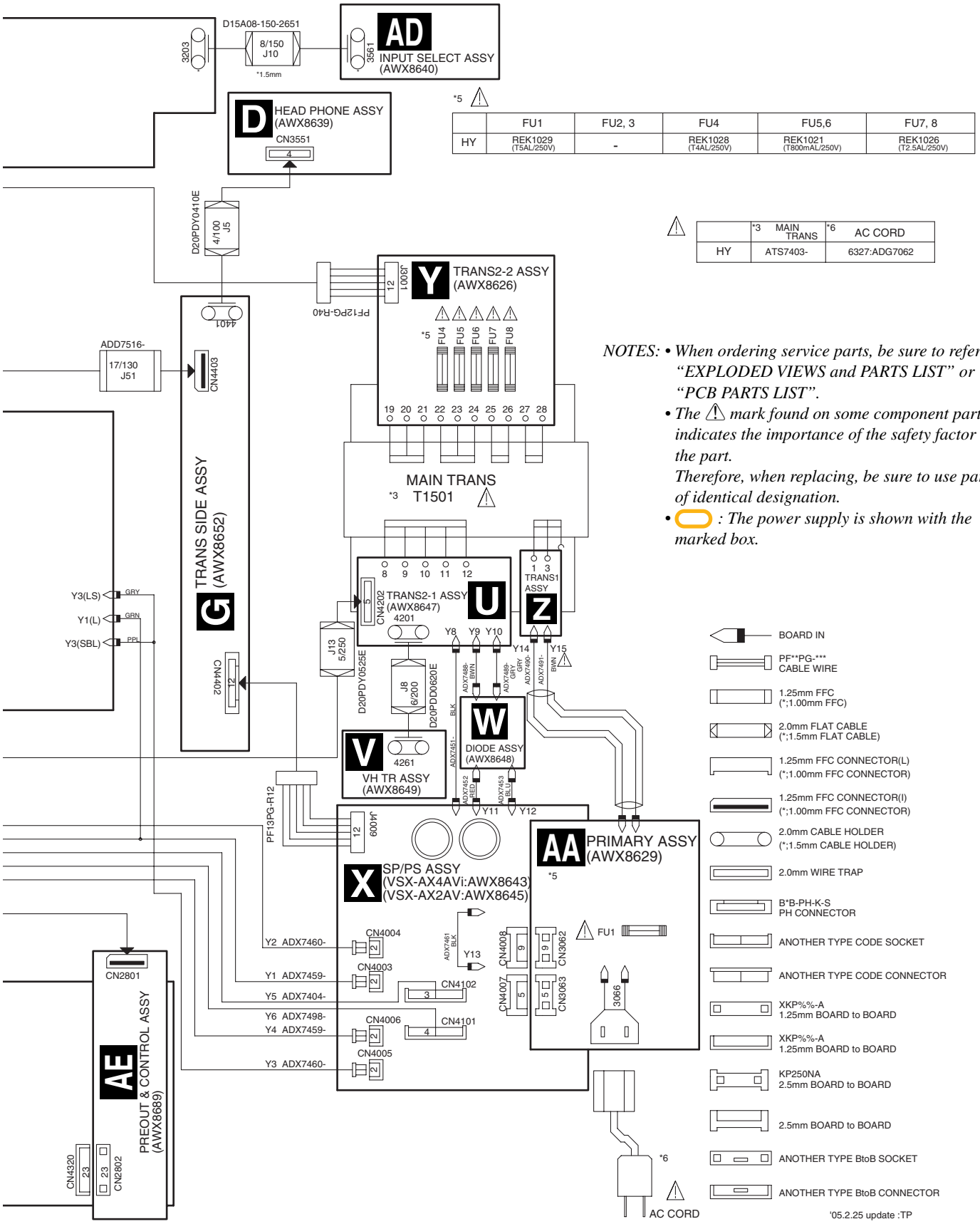
3.1.7 MICROCOMPUTER BLOCK DIAGRAM



IC NAME	IC NO	MAIN FUNCTION
MAIN u-COM	IC101	SYSTEM CONTROL(AMP,ICs,XM,iPod,RS232C,OSD,TUNER,RDS)
DISPLAY u-COM	IC3201	FL,LED,KEY CONTROL
HDMI u-COM	IC501	HDMI TX,RX CONTROL / DVC CONTROL
DSP u-COM	IC201	DSP CONTROL / DIR CONTROL / A/D,D/A CONTROL
iLINK CONTROL u-COM	IC101	iLINK(1394) CONTROL

3.2 OVERALL WIRING CONNECTION DIAGRAM

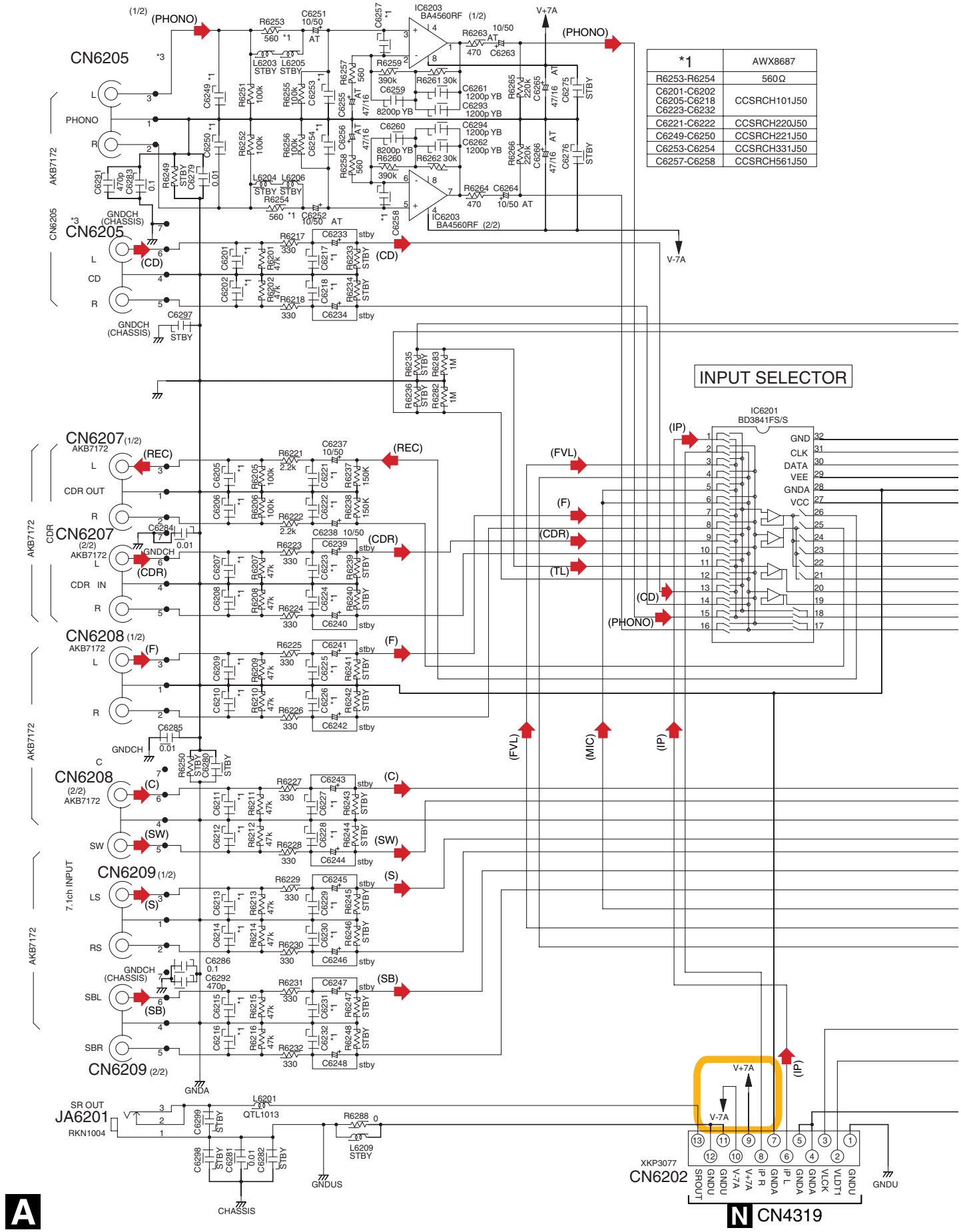




NOTES:

- *When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.*
  Therefore, when replacing, be sure to use parts of identical designation.
- *⬭ : The power supply is shown with the marked box.*

3.3 AUDIO & MULTI CH IN ASSY

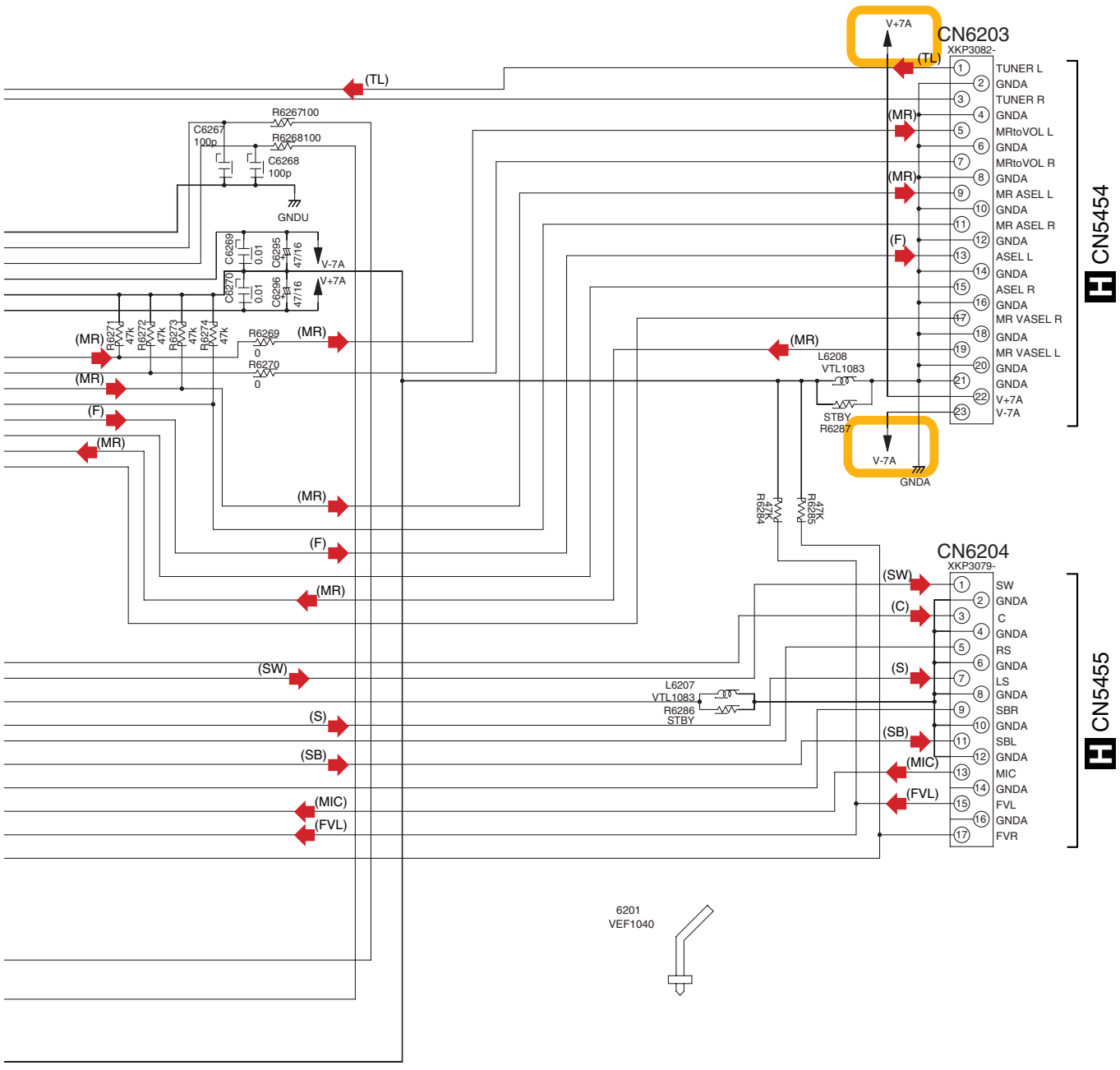


*1	AWX8687
R6253-R6254	560Ω
C6201-C6202 C6205-C6218 C6223-C6232	CCSRCH101J50
C6221-C6222	CCSRCH220J50
C6249-C6250	CCSRCH221J50
C6253-C6254	CCSRCH331J50
C6257-C6258	CCSRCH561J50

(F) : AUDIO SIGNAL ROUTE(F)
(C) : AUDIO SIGNAL ROUTE(C)
(S) : AUDIO SIGNAL ROUTE(S)
(SB) : AUDIO SIGNAL ROUTE(SB)
(SW) : AUDIO SIGNAL ROUTE(SW)
(PHONO) : AUDIO SIGNAL ROUTE (PHONO)
(IP) : AUDIO SIGNAL ROUTE(IP)

(CD) : AUDIO SIGNAL ROUTE (CD)
(TL) : AUDIO SIGNAL ROUTE (TL)
(MR) : AUDIO SIGNAL ROUTE (MR)
(REC) : AUDIO SIGNAL ROUTE (REC)
(CDR) : AUDIO SIGNAL ROUTE (CDR)
(MIC) : AUDIO SIGNAL ROUTE (CDR)
(FVL) : AUDIO SIGNAL ROUTE (FVL)

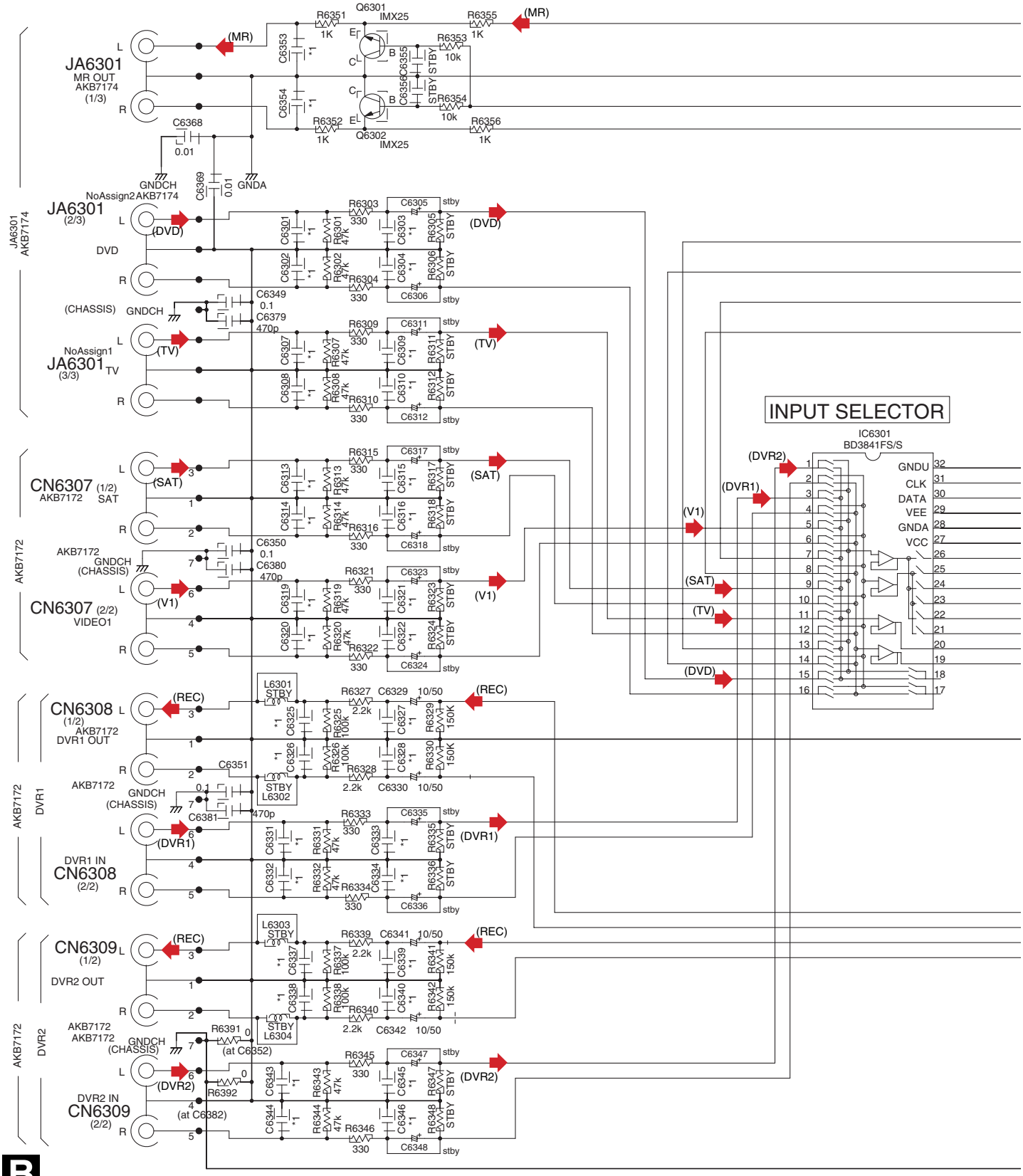
A AUDIO&MULTI CH IN ASSY (AWX8687)



B V-AUDIO ASSY (AWX8690)

*1

	AWX8690
C6353-C6354	CCSRCH331J50
C6301-C6304 C6307-C6310 C6313-C6316 C6319-C6322 C6325-C6326 C6331-C6334 C6337-C6338 C6343-C6346	CCSRCH101J50
C6327-C6328 C6339-C6340	CCSRCH220J50



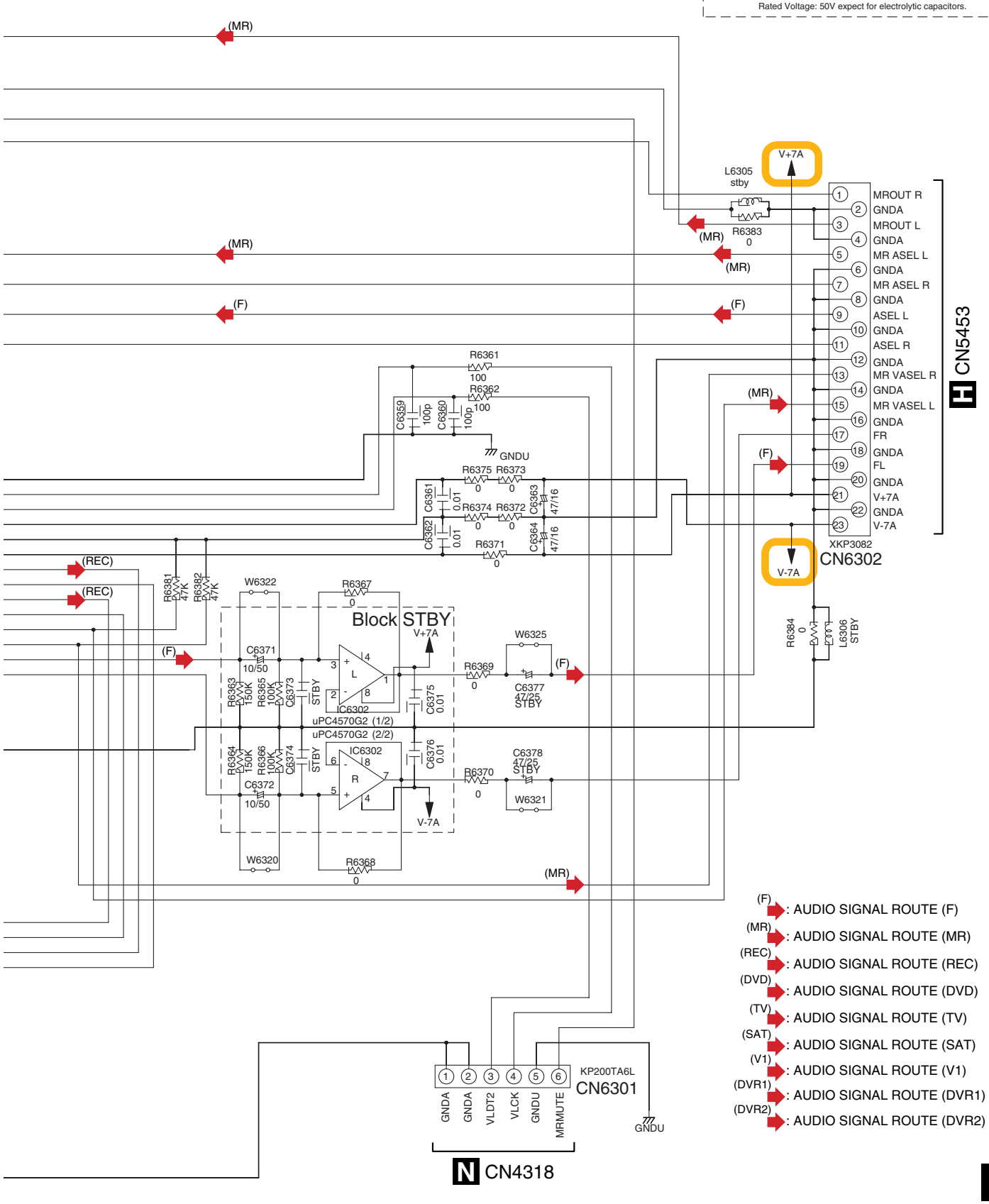
NOTE

1.RESISTORS

Unit: k-kΩ , M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

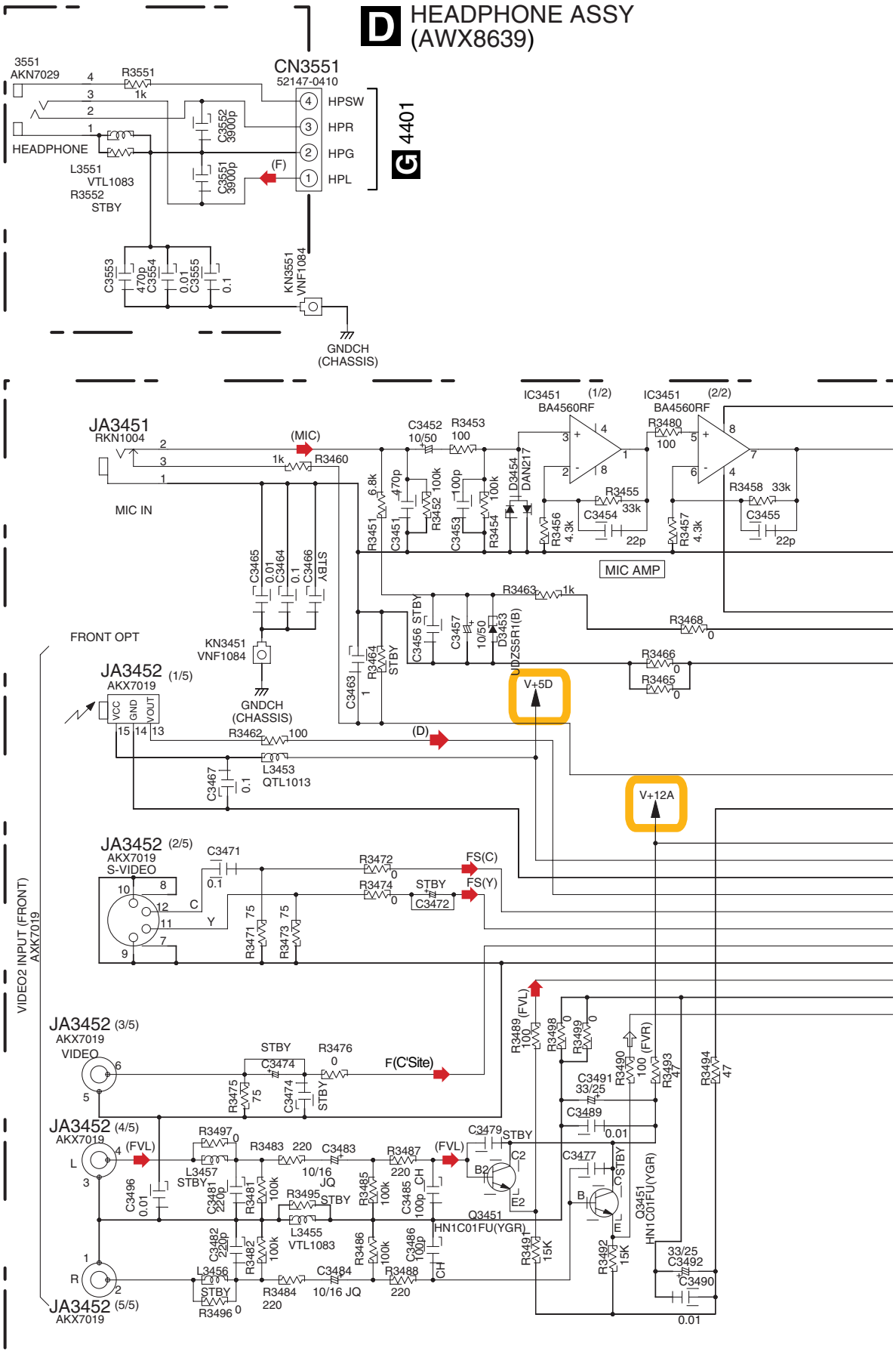
2.CAPACITORS

Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

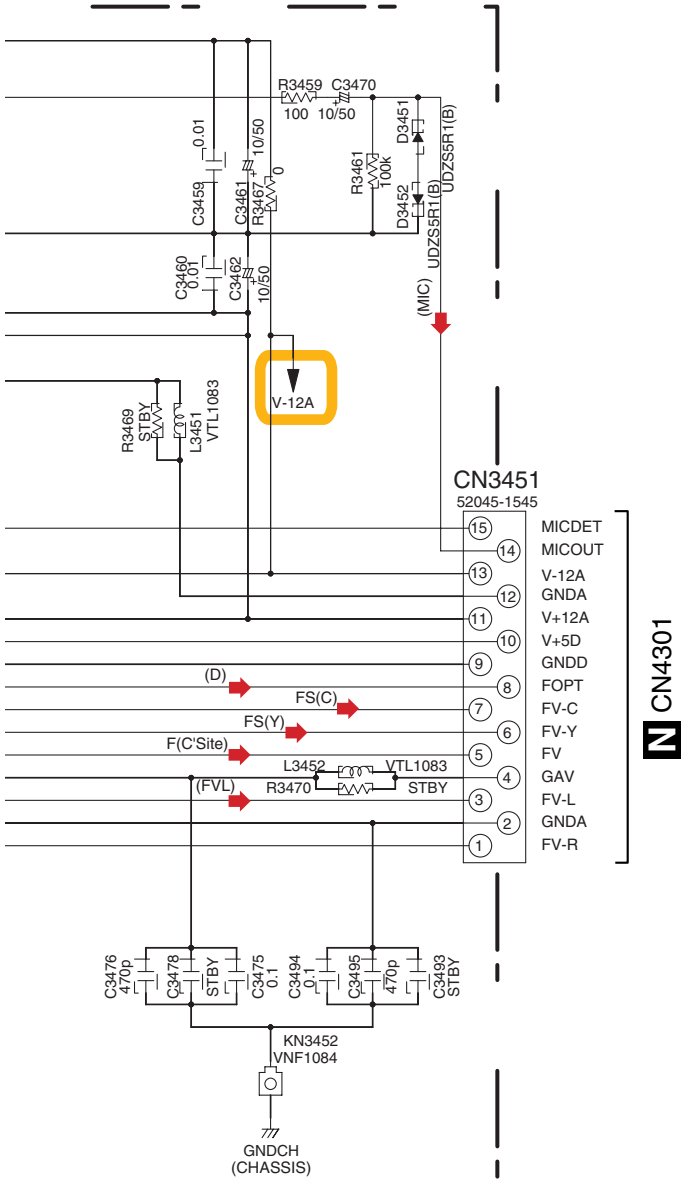


B

3.5 FRONT-IN and HEADPHONE ASSYS



C FRONT-IN ASSY (AWX8638)



The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore,when replacing,be sure to use parts of identical designation.

NOTE

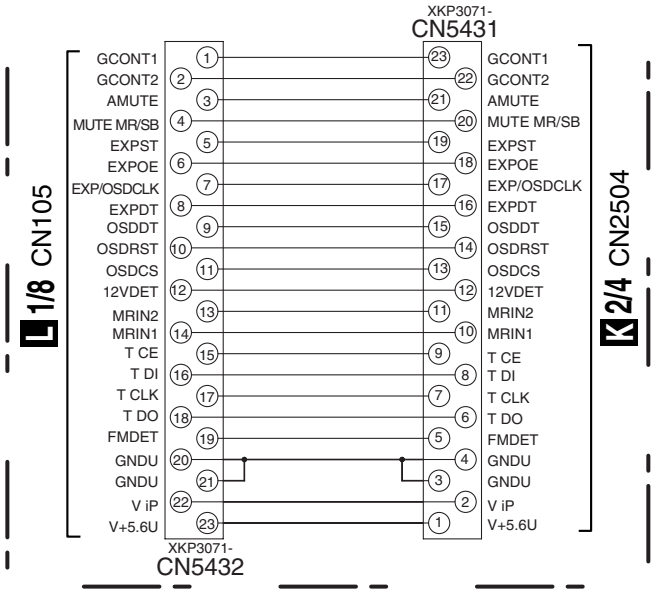
1.RESISTORS
- Unit: k-kΩ , M-MΩ or Ω unless otherwise noted.
- Rated power: 1/16W unless otherwise noted.
- Tolerance: (J) ±5% unless otherwise noted.

2.CAPACITORS
- Unit: p-pF or µF unless otherwise noted.
- Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
- Rated Voltage: 50V expect for electrolytic capacitors.
- JQ:CEJQ

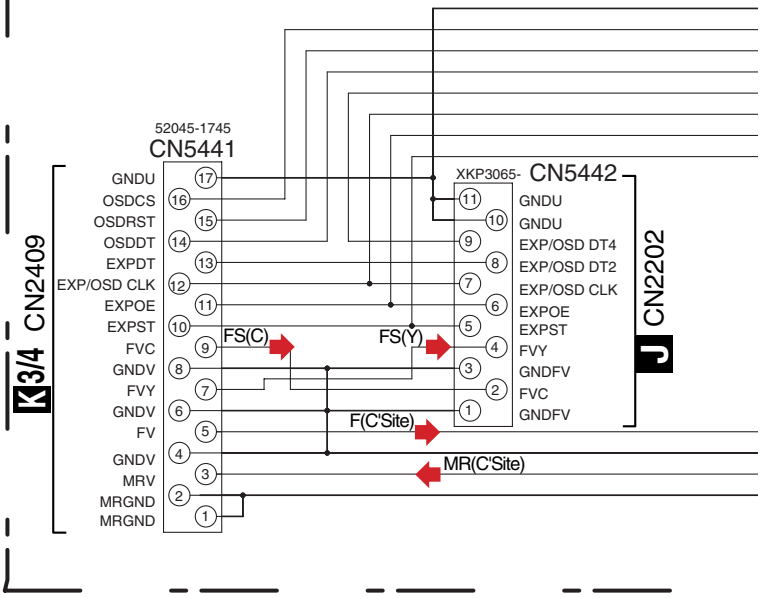
FS(Y) ➡ : VIDEO SIGNAL ROUTE FS(Y)
FS(C) ➡ : VIDEO SIGNAL ROUTE FS(C)
F(C'Site) ➡ : VIDEO SIGNAL ROUTE F(C'Site)
(FVL) ➡ : VIDEO SIGNAL ROUTE (VIDEO 2)
(F) ➡ : AUDIO SIGNAL ROUTE (F)
(MIC) ➡ : AUDIO SIGNAL ROUTE (MIC)
(D) ➡ : AUDIO SIGNAL ROUTE (SPDIF)

3.6 BRIDGE1, BRIDGE2, TRANS SIDE and BRIDGE3 ASSYS

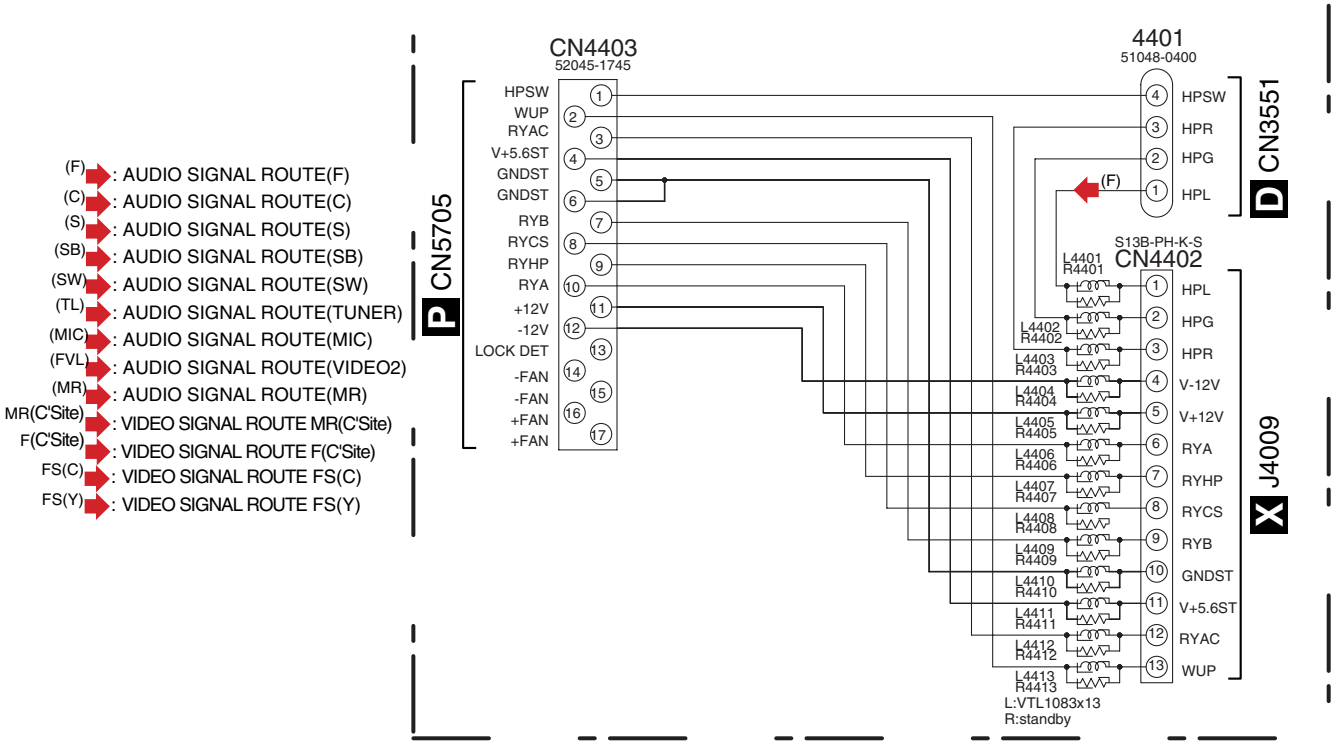
E BRIDGE 1 ASSY (AWX8667)



F BRIDGE 2 ASSY (AWX8668)

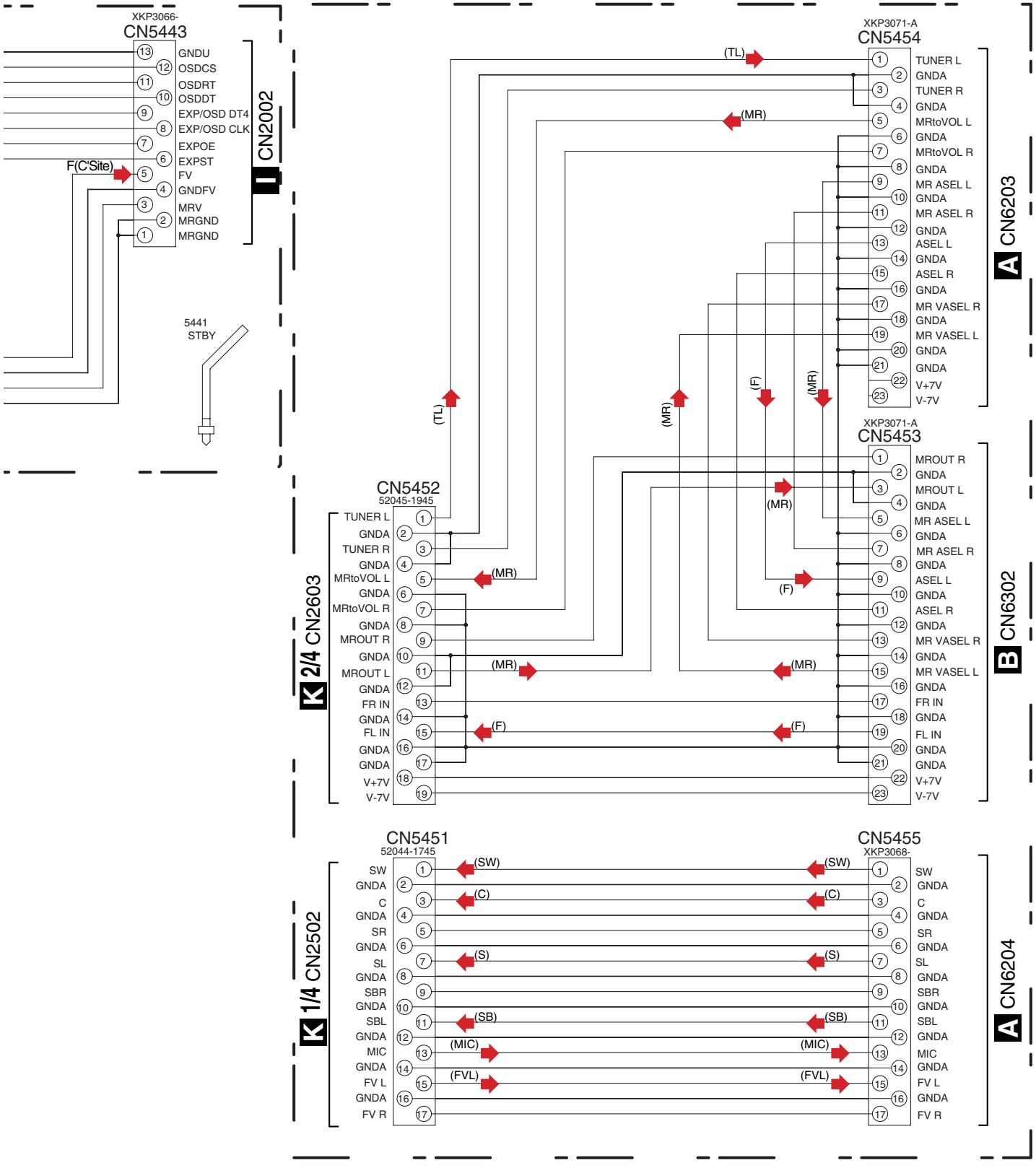


G TRANS SIDE ASSY (AWX8652)

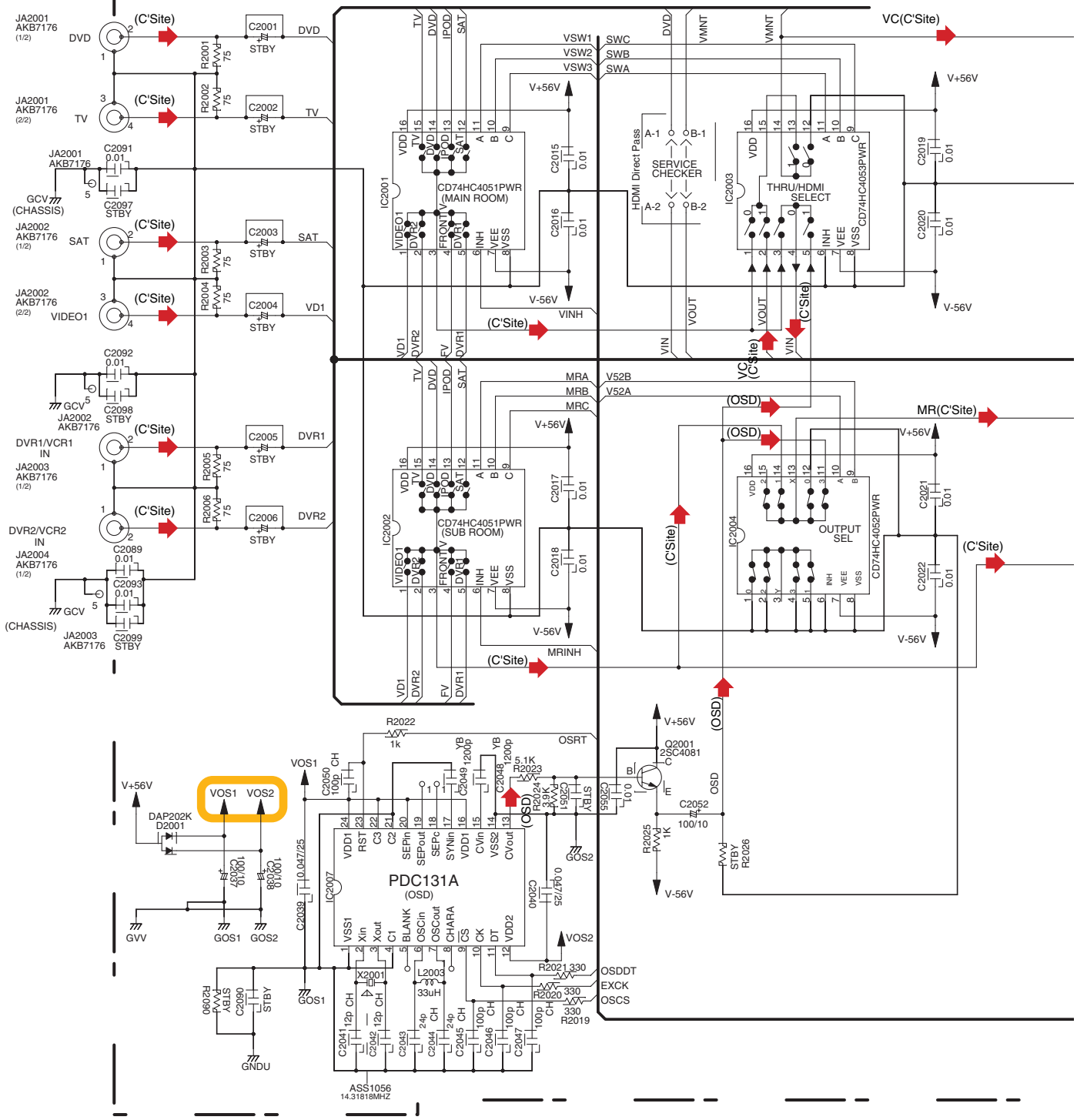


E F G

H BRIDGE 3 ASSY (AWX8669)



3.7 COMPOSITE V ASSY



(C'Site) : VIDEO SIGNAL ROUTE (C'Site)

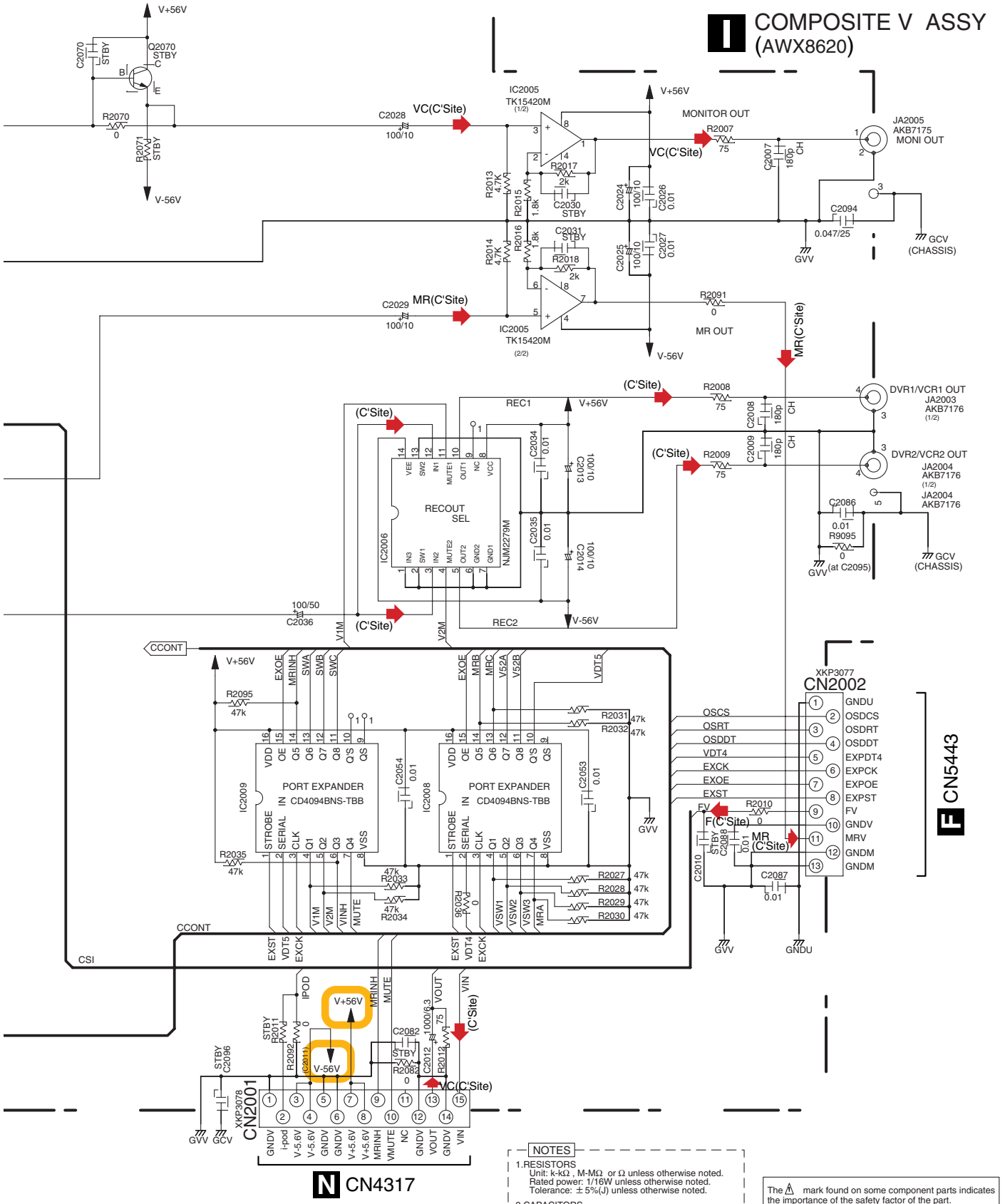
F(C'Site) : VIDEO SIGNAL ROUTE F(C'Site)

MR(C'Site) : VIDEO SIGNAL ROUTE MR(C'Site)

VC(C'Site) : VIDEO SIGNAL ROUTE VC(C'Site)

(OSD) : VIDEO SIGNAL ROUTE (OSD)

I COMPOSITE V ASSY (AWX8620)



NOTES

1.RESISTORS
Unit: k-kΩ , M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ± 5%(J) unless otherwise noted.

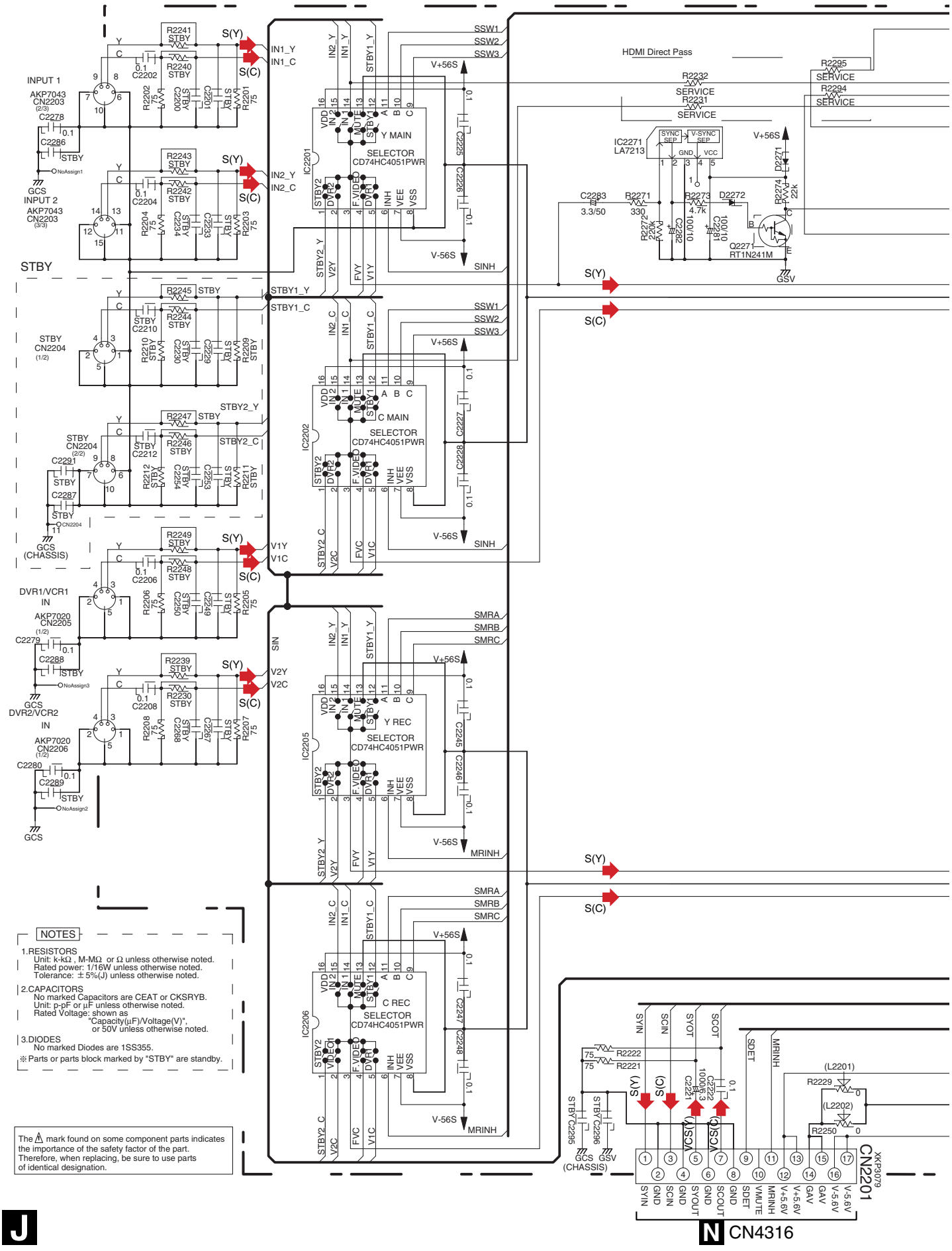
2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or µF unless otherwise noted.
Rated Voltage: shown as "Capacity(µF)/Voltage(V)", or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS355.

※Parts or parts block marked by "STBY" are standby.

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

3.8 S-VIDEO ASSY



NOTES

1.RESISTORS
Unit: k-kΩ , M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.

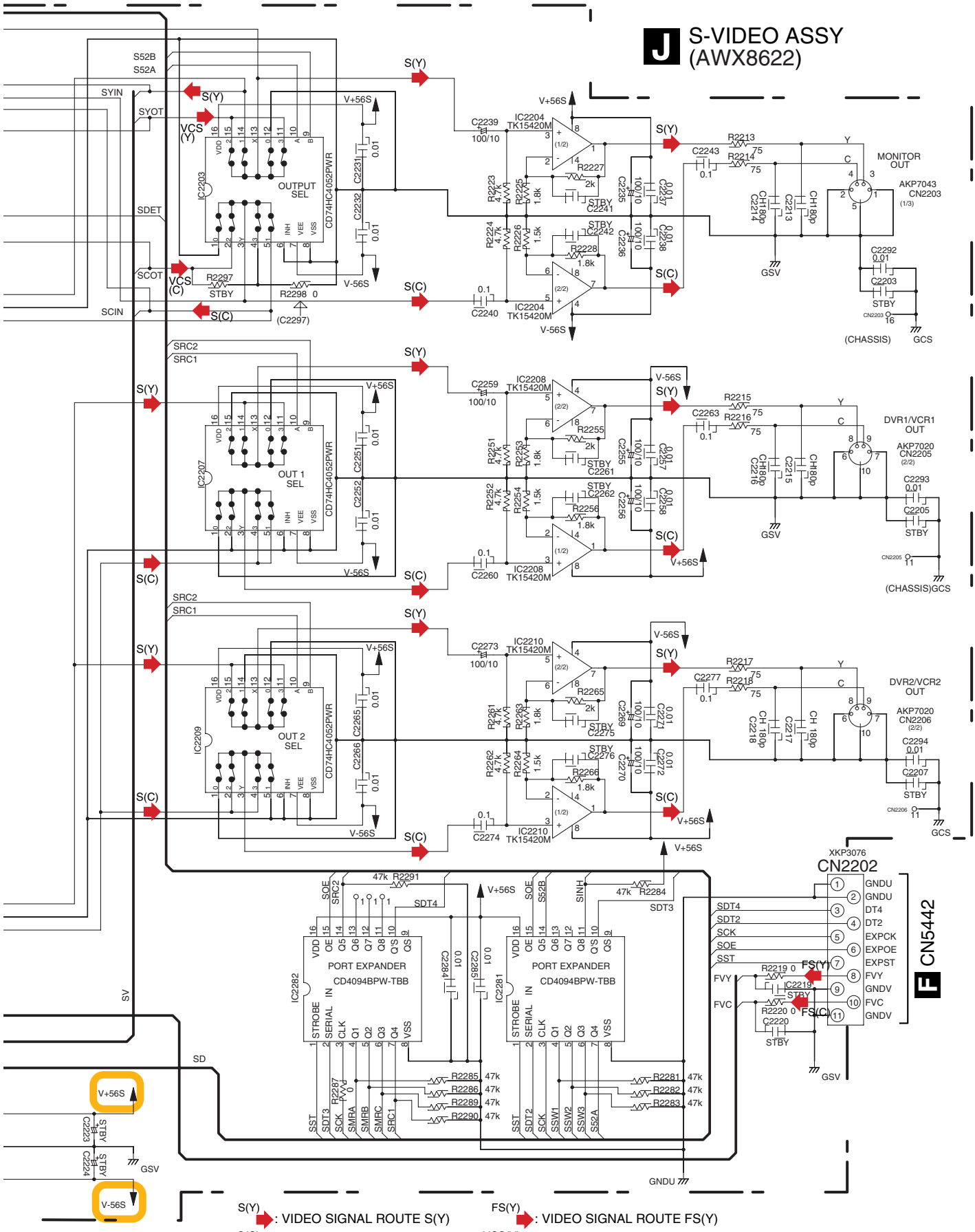
2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or µF unless otherwise noted.
Rated Voltage: shown as
"Capacity(µF)/Voltage(V)",
or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS355.

※Parts or parts block marked by "STBY" are standby.

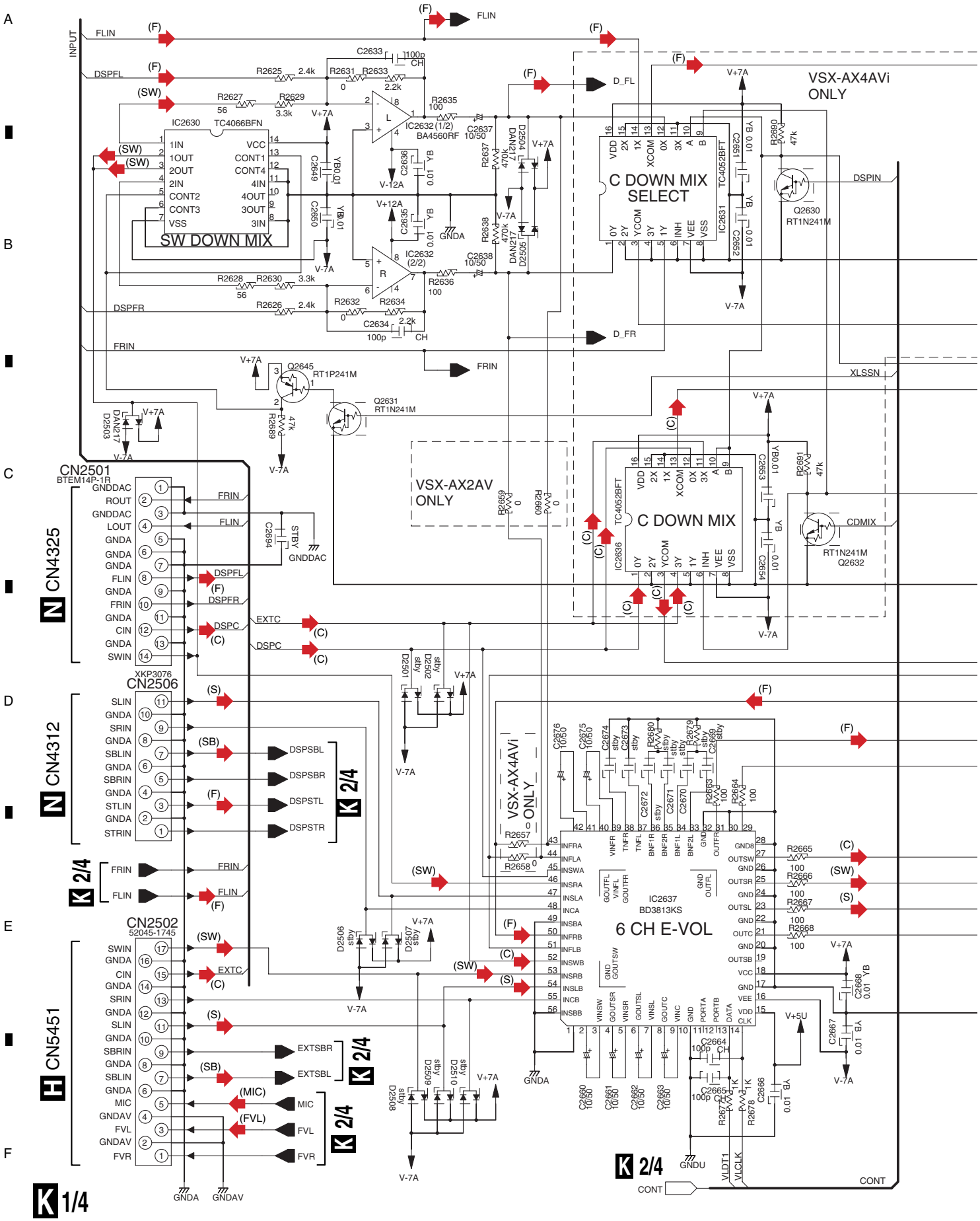
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

J S-VIDEO ASSY (AWX8622)

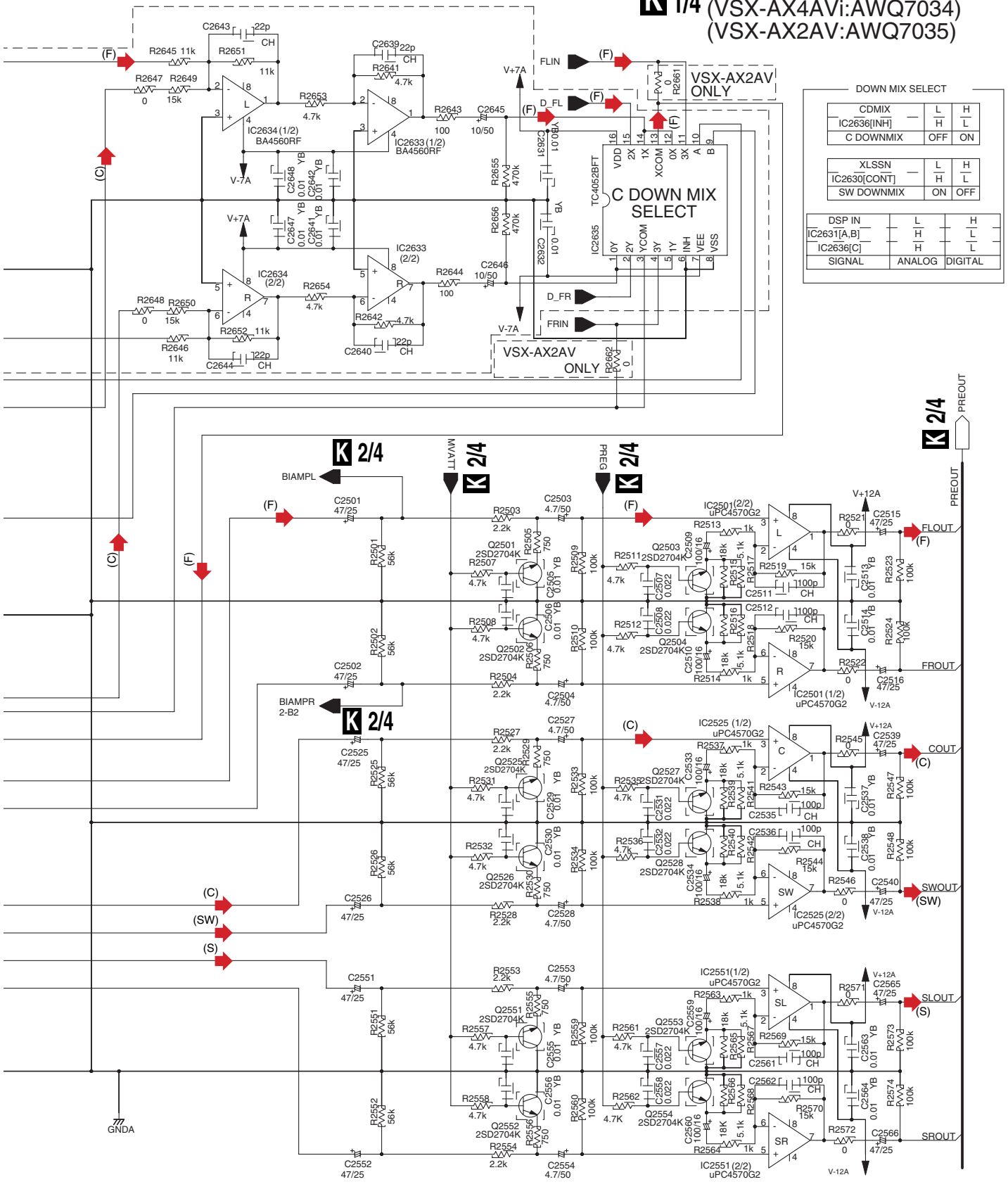


S(Y): VIDEO SIGNAL ROUTE S(Y)
S(C): VIDEO SIGNAL ROUTE S(C)
FS(C): VIDEO SIGNAL ROUTE FS(C)
FS(Y): VIDEO SIGNAL ROUTE FS(Y)
VCS(Y): VIDEO SIGNAL ROUTE VCS(Y)
VCS(C): VIDEO SIGNAL ROUTE VCS(C)

3.9 COMPONENT & VOL ASSY (1/4)



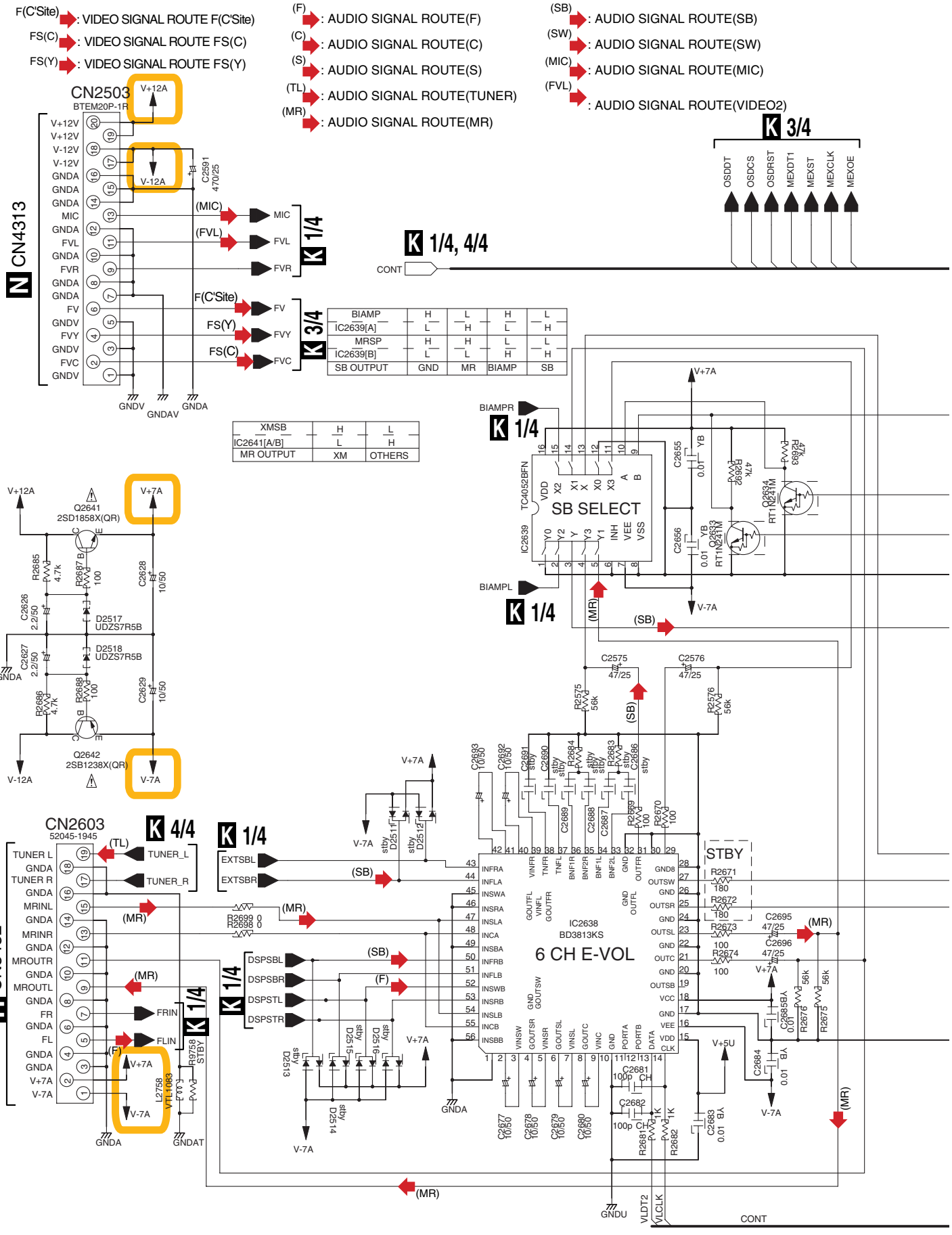
K 1/4 COMPONENT & VOL ASSY (VSX-AX4AVi:AWQ7034) (VSX-AX2AV:AWQ7035)



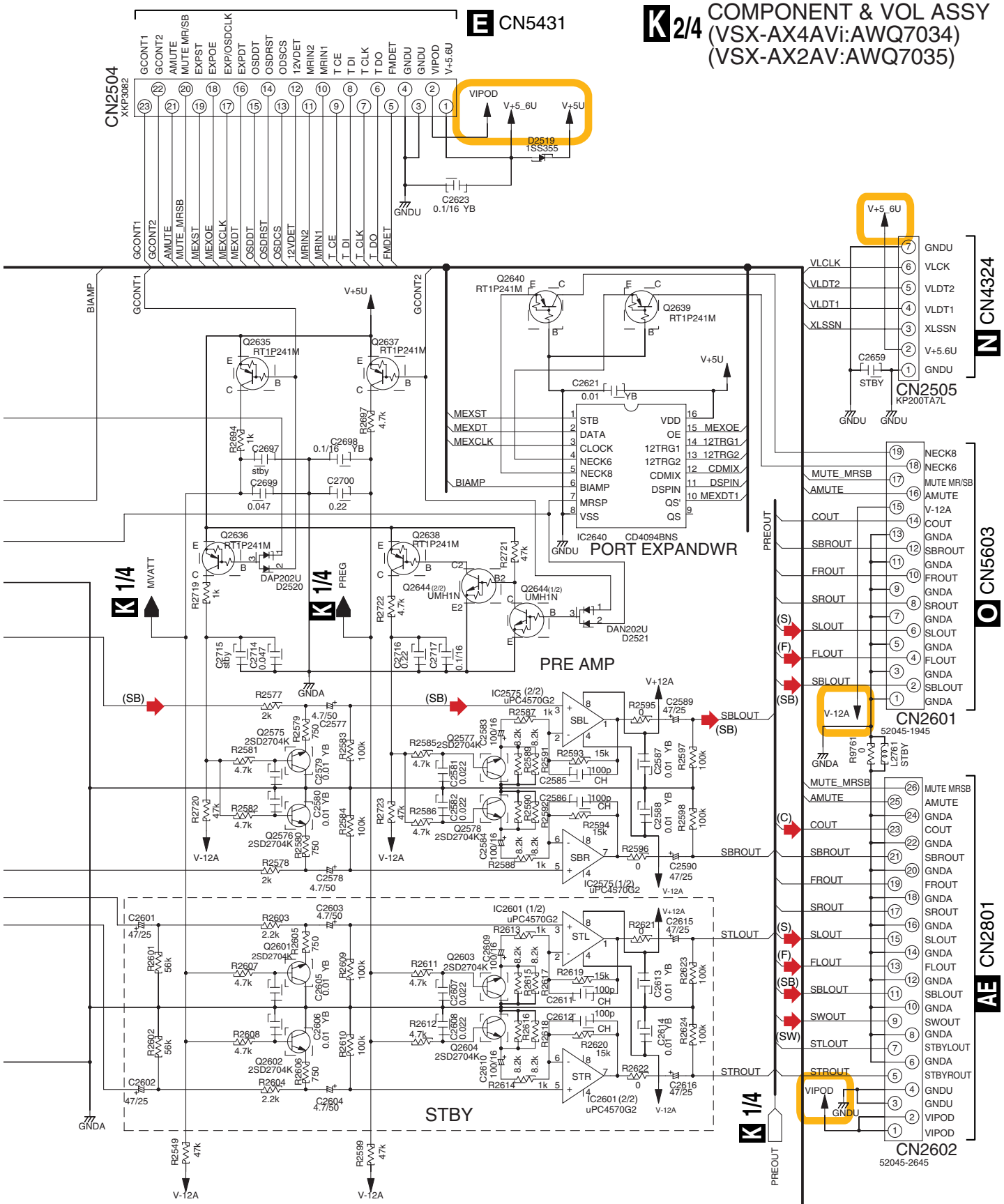
(F): AUDIO SIGNAL ROUTE(F)
(C): AUDIO SIGNAL ROUTE(C)
(S): AUDIO SIGNAL ROUTE(S)
(SW): AUDIO SIGNAL ROUTE(SW)
(MIC): AUDIO SIGNAL ROUTE(MIC)
(FVL): AUDIO SIGNAL ROUTE(VIDEO2)
(SB): AUDIO SIGNAL ROUTE(SB)

K 1/4

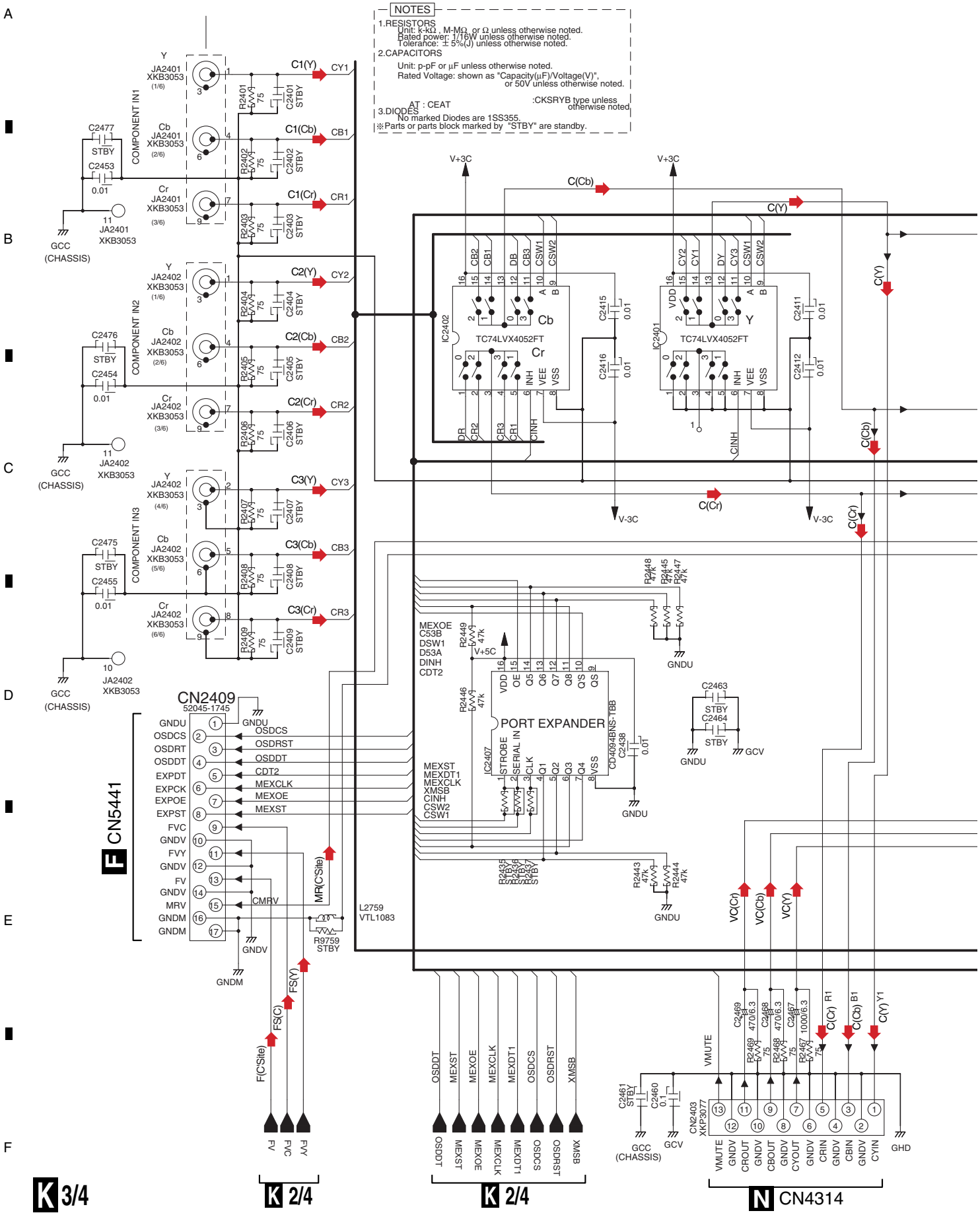
3.10 COMPONENT & VOL ASSY (2/4)



K 2/4 COMPONENT & VOL ASSY (VSX-AX4AVi:AWQ7034) (VSX-AX2AV:AWQ7035)



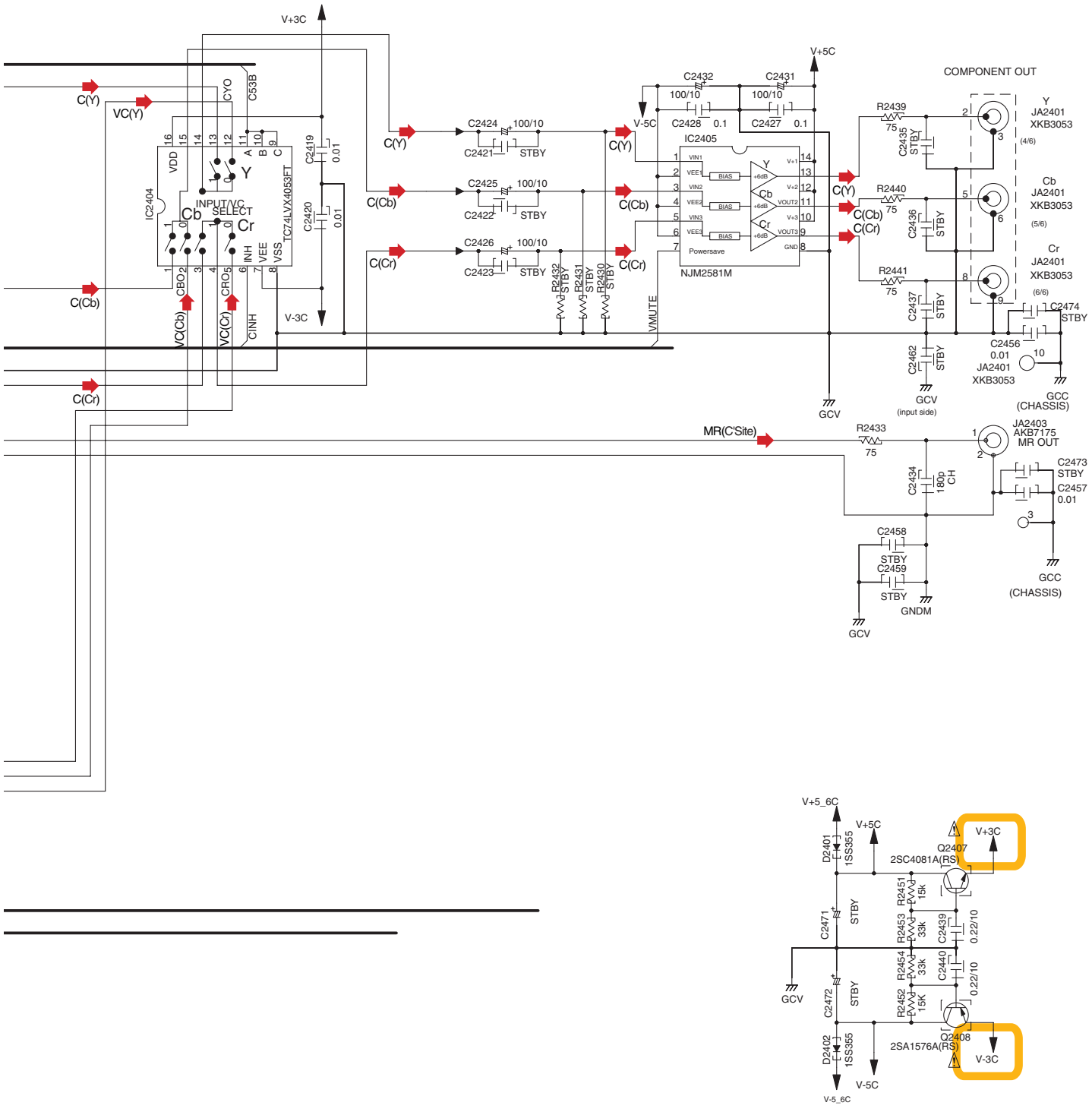
3.11 COMPONENT & VOL ASSY (3/4)



C1(Y) : VIDEO SIGNAL ROUTE C1(Y)
C1(Cb) : VIDEO SIGNAL ROUTE C1(Cb)
C1(Cr) : VIDEO SIGNAL ROUTE C1(Cr)
C2(Y) : VIDEO SIGNAL ROUTE C2(Y)
C2(Cb) : VIDEO SIGNAL ROUTE C2(Cb)
C2(Cr) : VIDEO SIGNAL ROUTE C2(Cr)
C3(Y) : VIDEO SIGNAL ROUTE C3(Y)
C3(Cb) : VIDEO SIGNAL ROUTE C3(Cb)
C3(Cr) : VIDEO SIGNAL ROUTE C3(Cr)

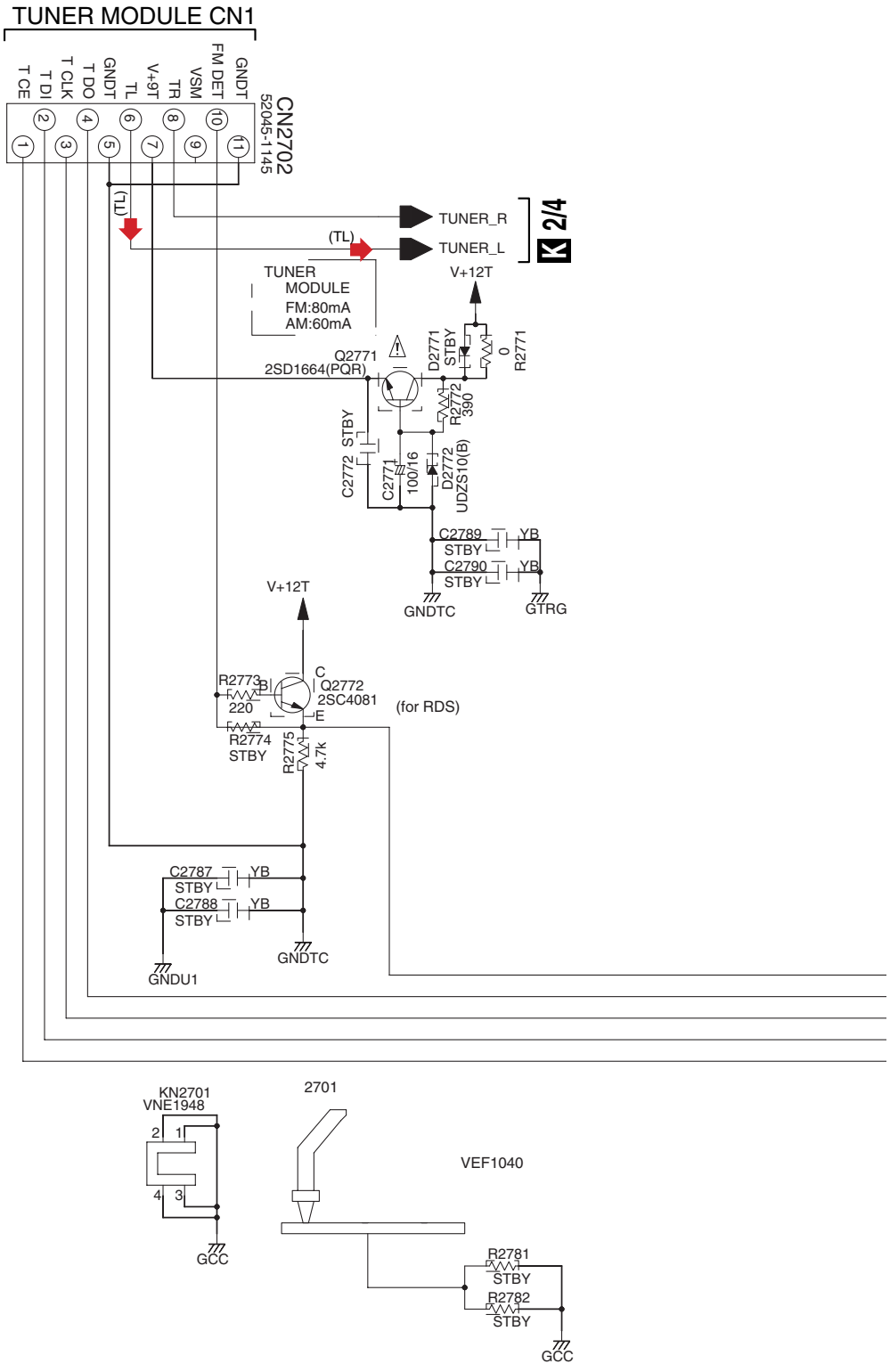
MR(C'Site) : VIDEO SIGNAL ROUTE MR(C'Site)
F(C'Site) : VIDEO SIGNAL ROUTE F(C'Site)
FS(C) : VIDEO SIGNAL ROUTE FS(C)
FS(Y) : VIDEO SIGNAL ROUTE FS(Y)
C(Y) : VIDEO SIGNAL ROUTE C(Y)
C(Cb) : VIDEO SIGNAL ROUTE C(Cb)
C(Cr) : VIDEO SIGNAL ROUTE C(Cr)
VC(Cr) : VIDEO SIGNAL ROUTE VC(Cr)
VC(Cb) : VIDEO SIGNAL ROUTE VC(Cb)
VC(Y) : VIDEO SIGNAL ROUTE VC(Y)

K 3/4 COMPONENT & VOL ASSY (VSX-AX4AVi:AWQ7034) (VSX-AX2AV:AWQ7035)



The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

3.12 COMPONENT & VOL ASSY (4/4)



NOTE

1.RESISTORS

Unit: k-kΩ , M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

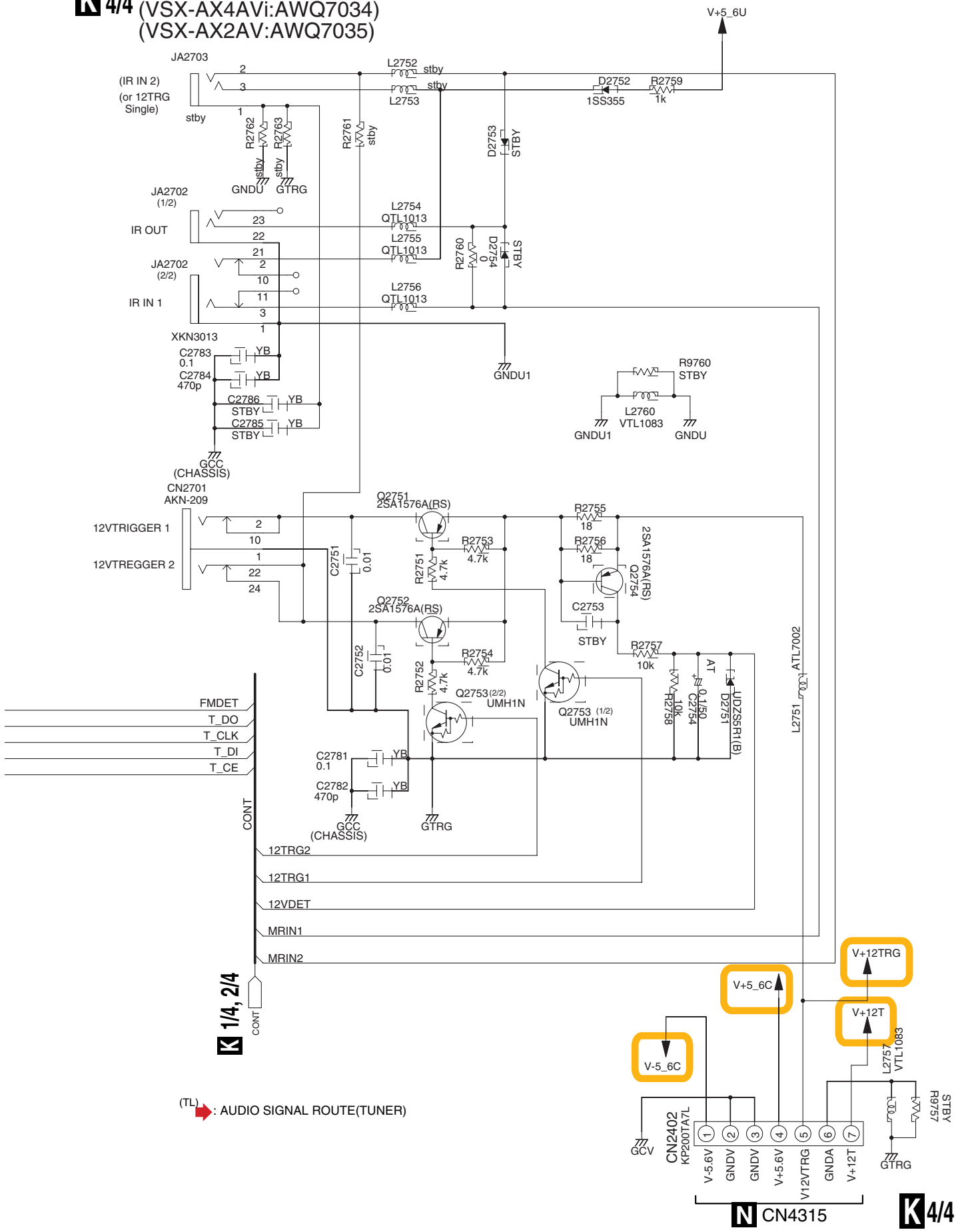
2.CAPACITORS

Unit: p-pF or μ F unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

※Parts or parts block marked by "*" or "STBY" are standby.

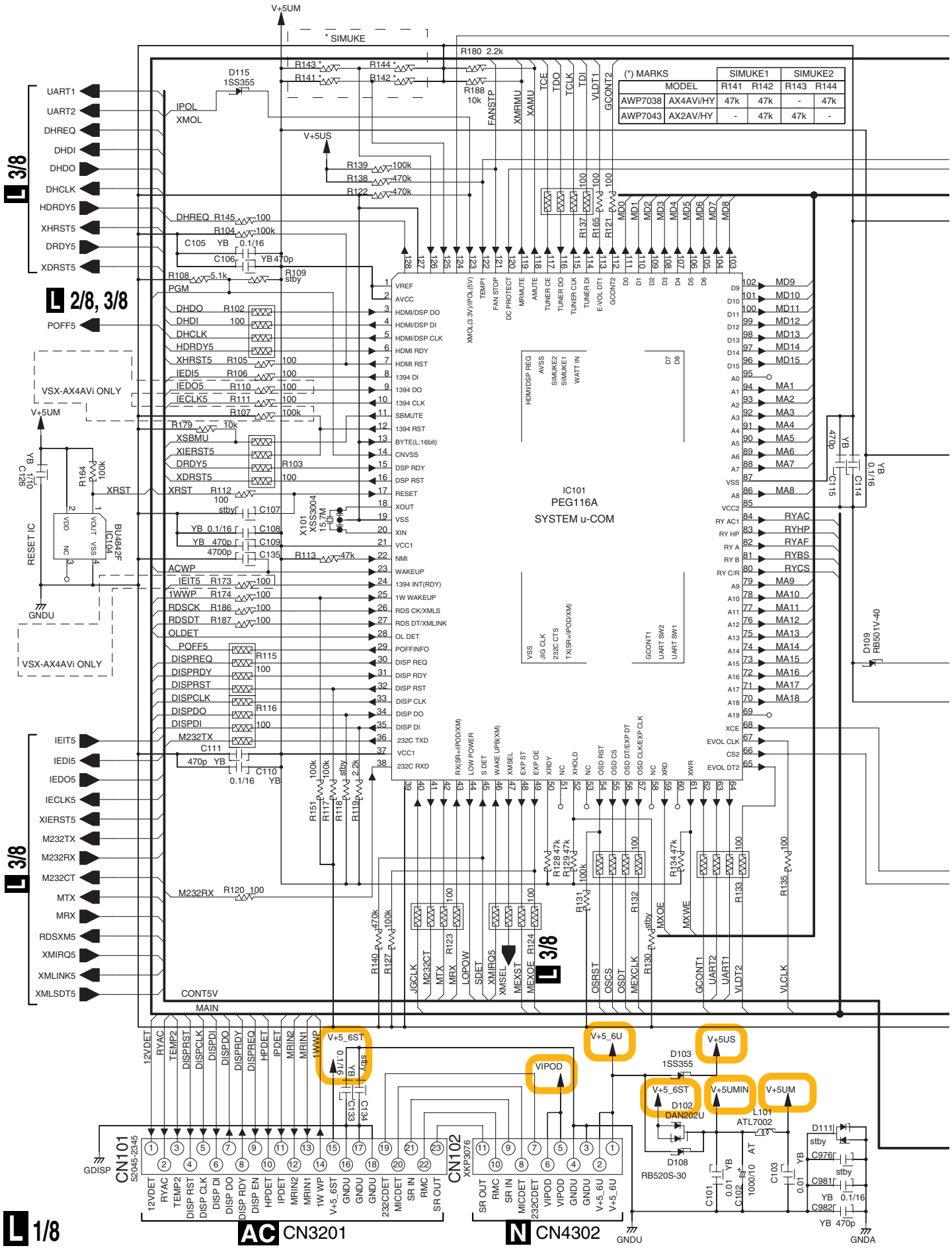
K 4/4

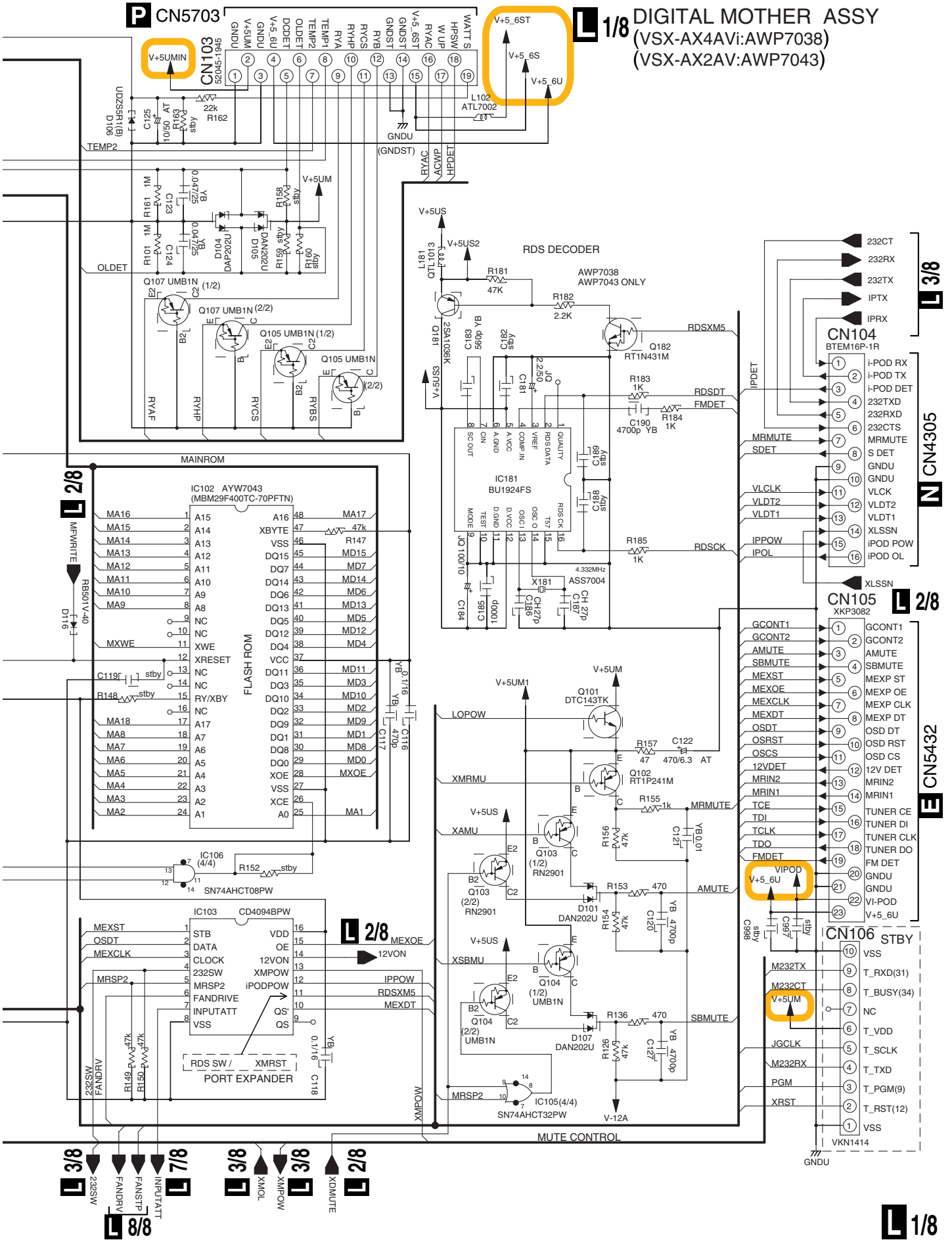
K 4/4 COMPONENT & VOL ASSY (VSX-AX4AVi:AWQ7034) (VSX-AX2AV:AWQ7035)



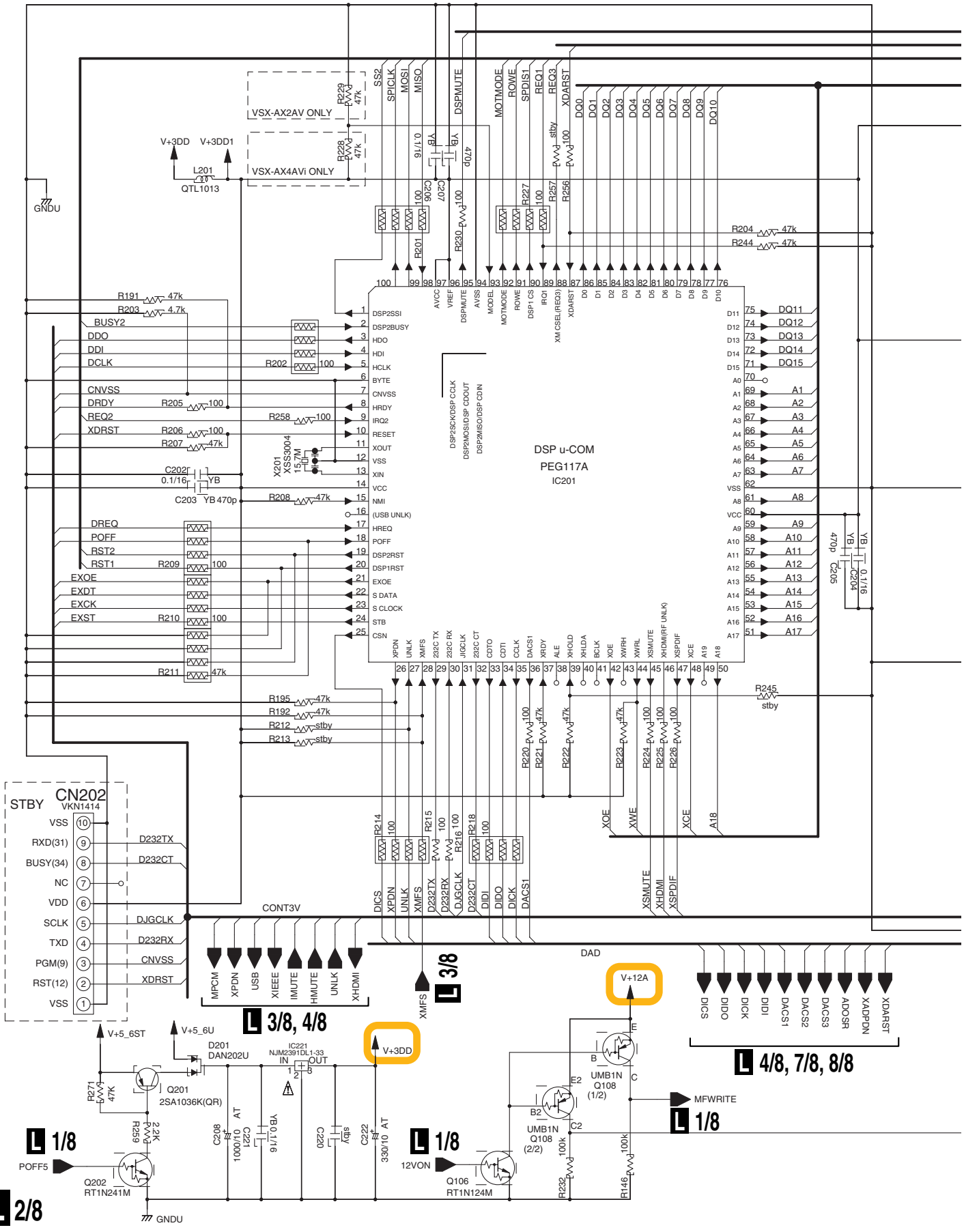
(TL) : AUDIO SIGNAL ROUTE(TUNER)

3.13 DIGITAL MOTHER ASSY (1/8)

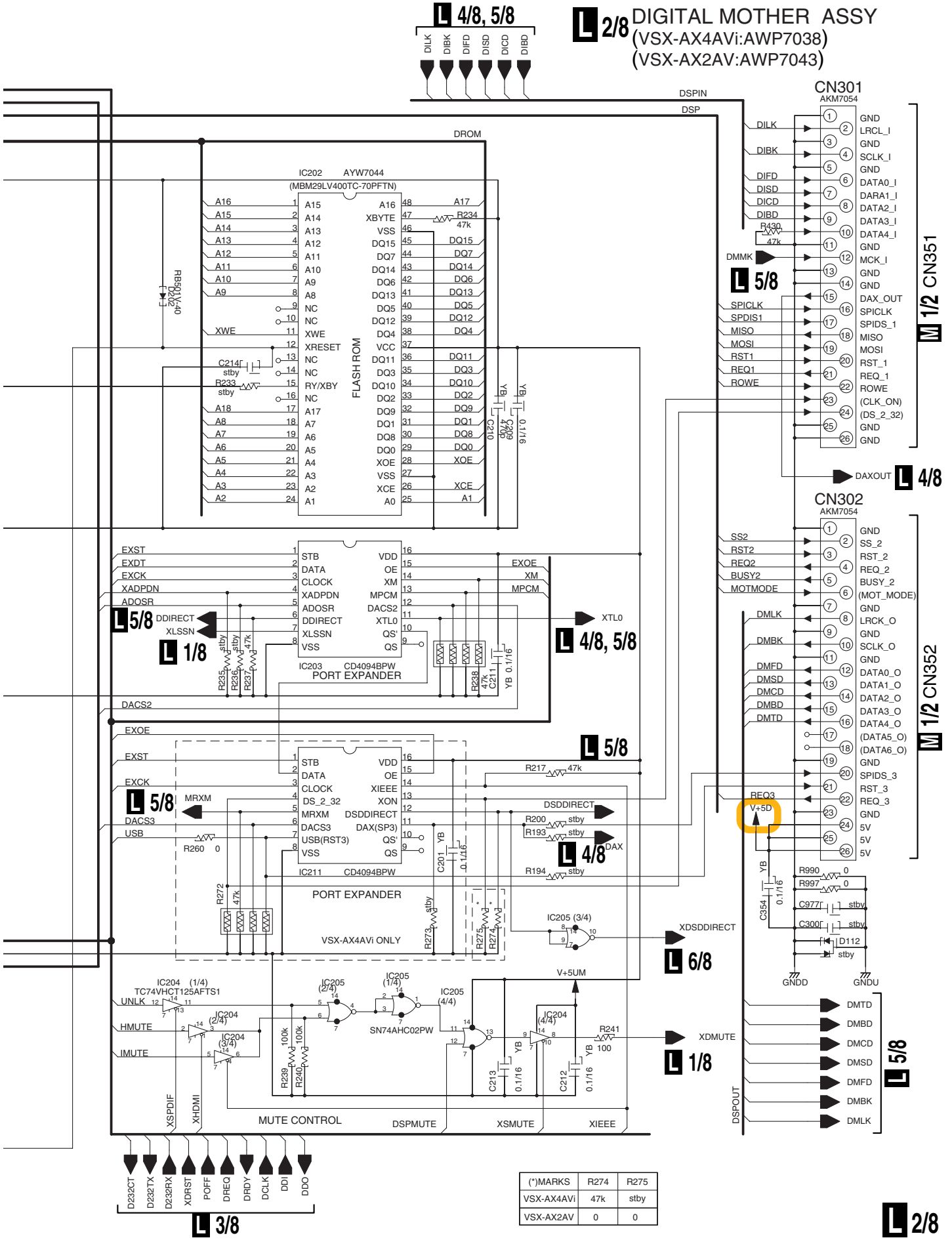



P CN5703
CN103
32045-1945
V+5UMIN
V+5_6ST
V+5_6S
V+5_6U
L 1/8 DIGITAL MOTHER ASSY
(VSX-AX4AVi:AWP7038)
(VSX-AX2AV:AWP7043)
L102
ATL7002
GNDU
(GNDST)
RYAC
ACWP
HPDET
TEMP2
OLDET
V+5UM
V+5US
V+5US2
RDS DECODER
AWP7038
AWP7043 ONLY
Q107 UMB1N (1/2)
Q107 UMB1N (2/2)
Q105 UMB1N (1/2)
Q105 UMB1N (2/2)
RYAF
RYHP
RYCS
RYBS
Q181
2SA1036K
Q182
RT1N431M
RDSXM5
RDSDT
FMDET
IC181
BU1924FS
X181
4.332MHz
ASS7004
RDSCK
MAINROM
L 2/8
IC102 AYW7043
(MBM29F400TC-70PFTN)
FLASH ROM
MFWRITE
RB501V-40
D116
MXWE
IC106
(4/4)
SN74AHCT08PW
IC103 CD4094BPW
PORT EXPANDER
RDS SW /
XMRST
232SW
FANDRV
MEXST
OSDT
MEXCLK
MRSP2
IPPOW
RDSXM5
MEXDT
MEXOE
12VON
LOPOW
XMRMU
XAMU
XSBMU
Q101
DTC143TK
Q102
RT1P241M
Q103
(1/2)
RN2901
Q103
(2/2)
RN2901
Q104
(1/2)
UMB1N
Q104
(2/2)
UMB1N
MRMUTE
AMUTE
SBMUTE
D101
DAN202U
D107
DAN202U
IC105(4/4)
SN74AHCT32PW
V-12A
XMPOW
MUTE CONTROL
CN104
BTEM16P-1R
232CT
232RX
232TX
IPTX
IPRX
i-POD RX
i-POD TX
i-POD DET
232TXD
232RXD
232CTS
MRMUTE
S DET
GNDU
VLCK
VLDT2
VLDT1
XLSSN
iPOD POW
iPOD OL
CN4305
CN105
XKP3082
GCONT1
GCONT2
AMUTE
SBMUTE
MEXST
MEXP OE
MEXCLK
MEXP DT
OSDT
OSD RST
OSCS
OSD CS
12VDET
12V DET
MRIN2
MRIN1
TCE
TUNER CE
TDI
TUNER DI
TCLK
TUNER CLK
TDO
TUNER DO
FMDET
FM DET
VIPOD
V+5_6U
VI-POD
CN5432
CN106
STBY
M232TX
T_RXD(31)
M232CT
T_BUSY(34)
JGCLK
T_SCLK
M232RX
T_TXD
PGM
T_PGM(9)
XRST
T_RST(12)
VKN1414
L 3/8
L 7/8
L 8/8
232SW
FANDRV
FANSTP
INPUTATT
XMOL
XDMUTE
L 1/8

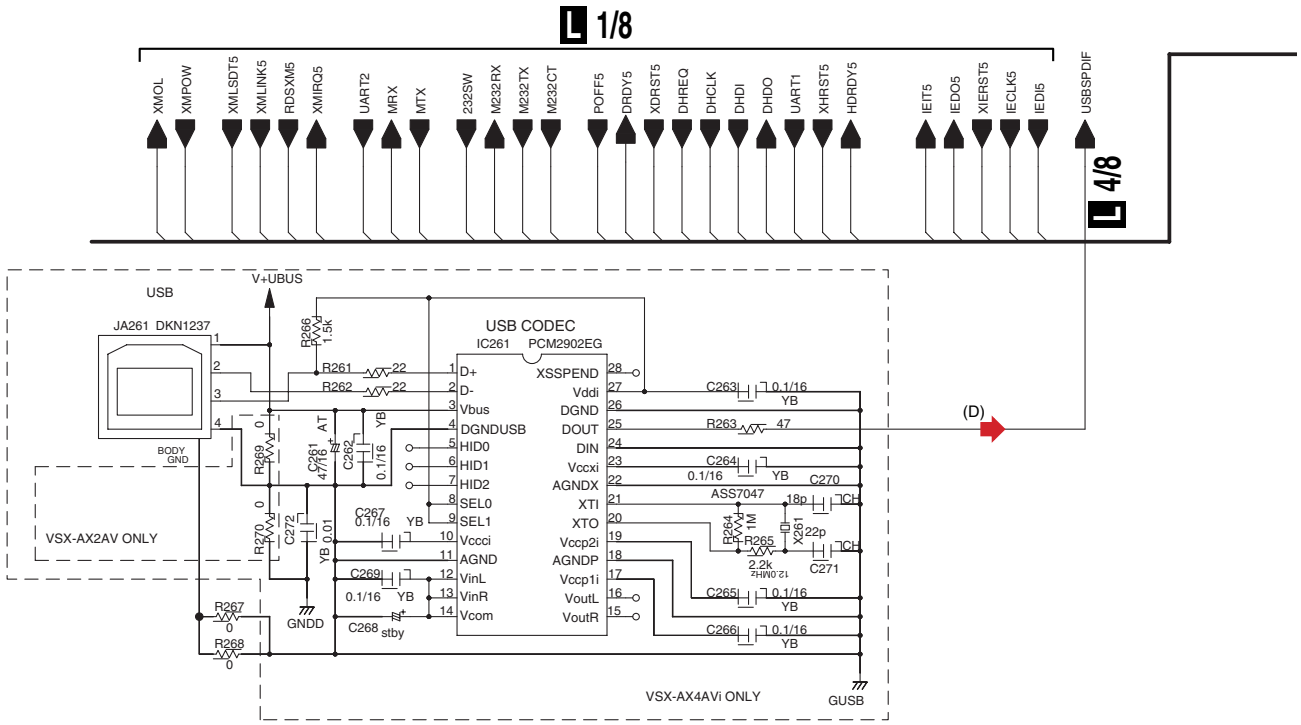
3.14 DIGITAL MOTHER ASSY (2/8)

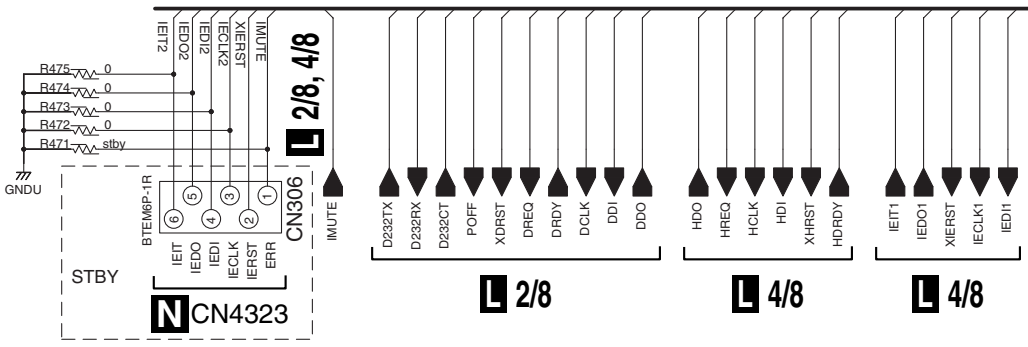


L 2/8 DIGITAL MOTHER ASSY
(VSX-AX4AVi:AWP7038)
(VSX-AX2AV:AWP7043)

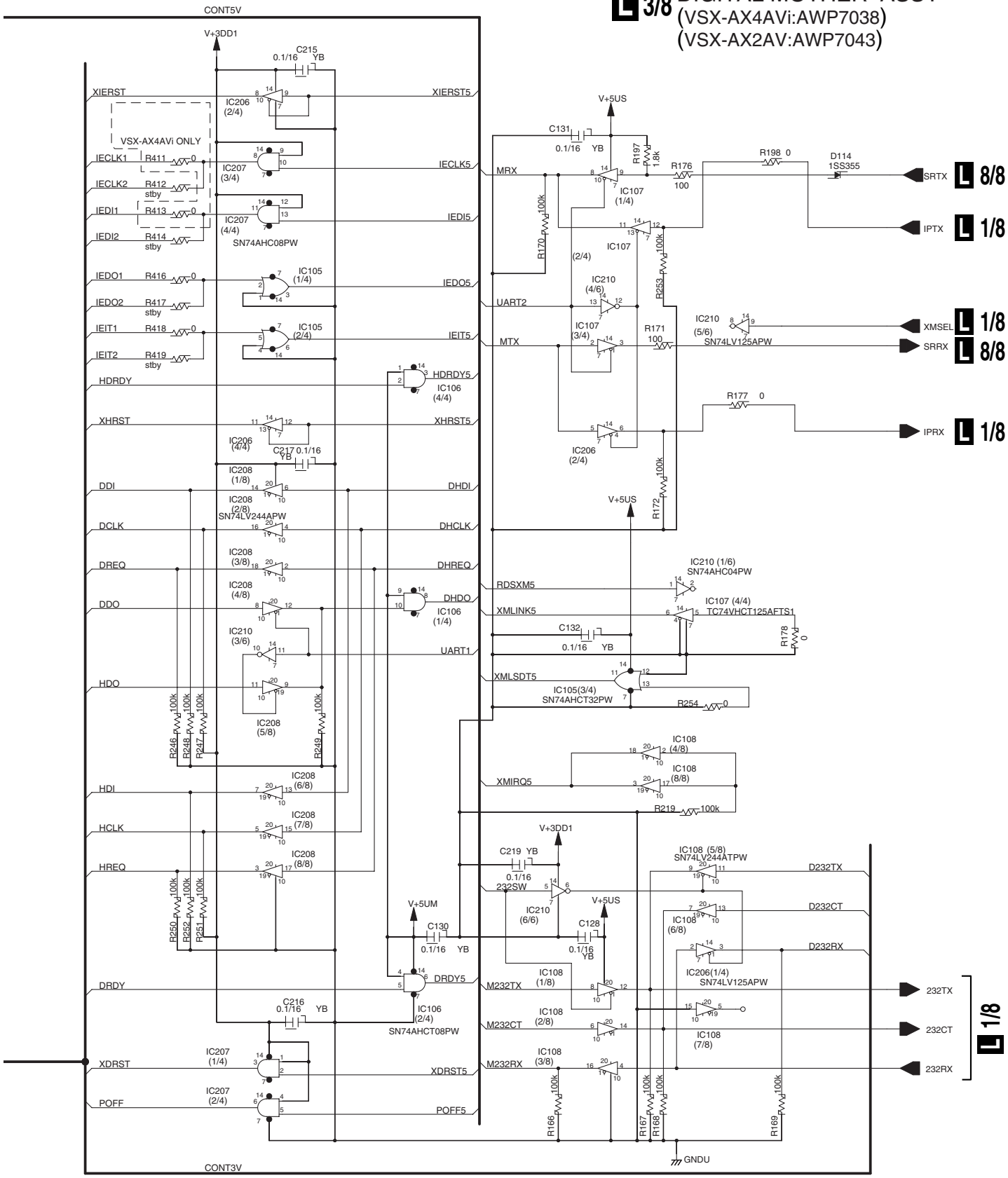


3.15 DIGITAL MOTHER ASSY (3/8)





L 3/8 DIGITAL MOTHER ASSY
(VSX-AX4AVi:AWP7038)
(VSX-AX2AV:AWP7043)



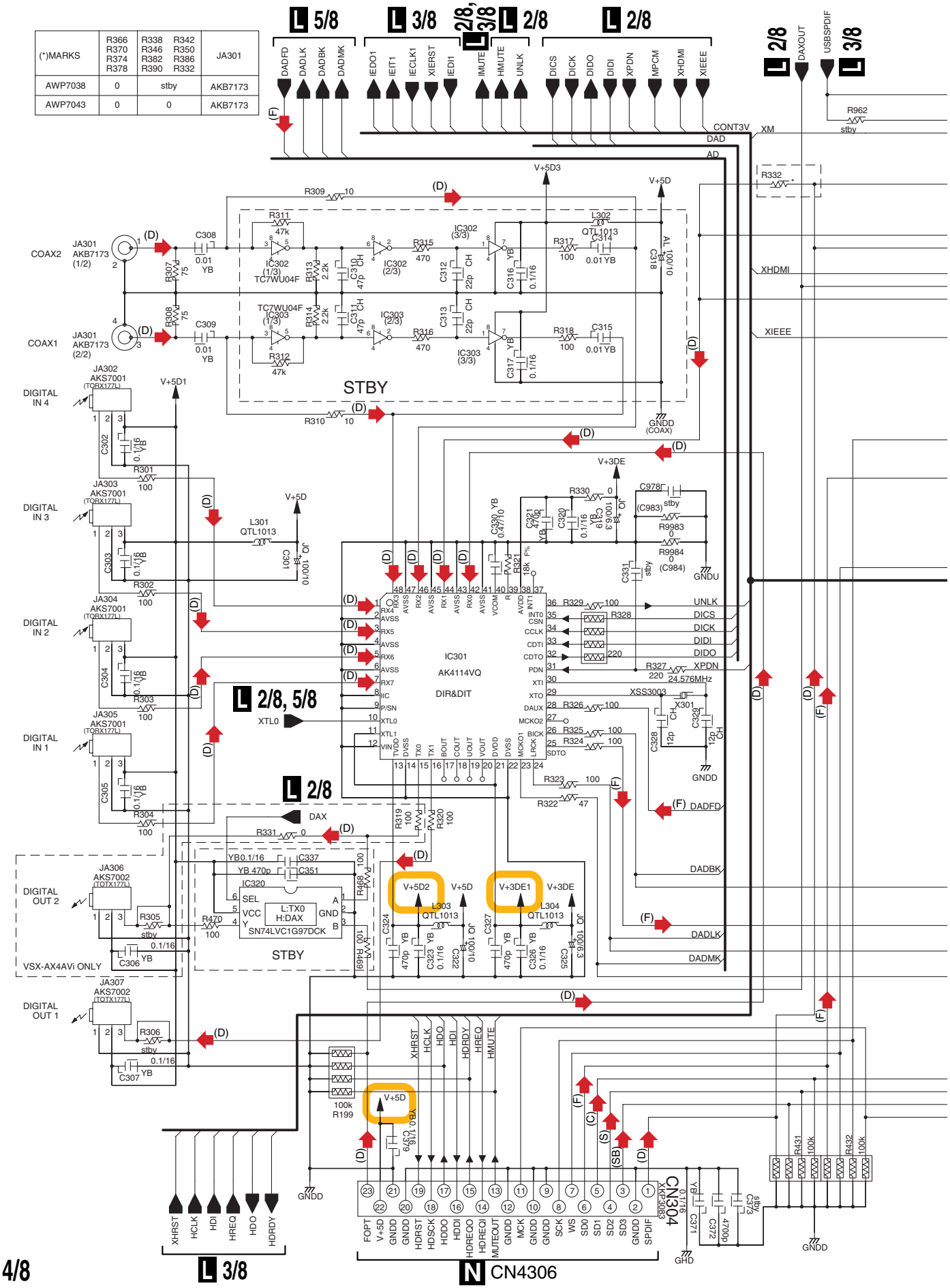
(F) : AUDIO SIGNAL ROUTE(F)

(D) : AUDIO SIGNAL ROUTE(SPDIF)

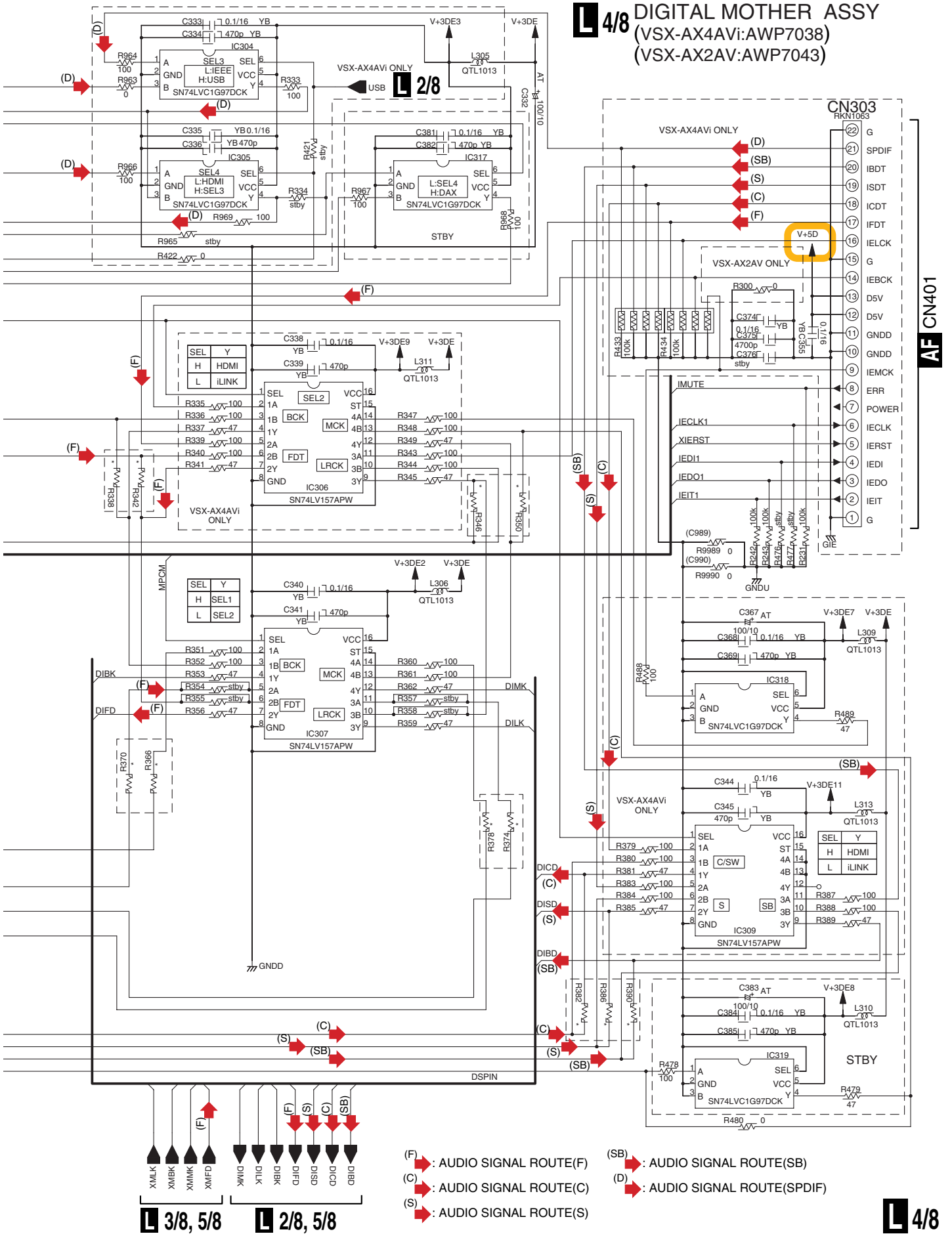
L 3/8

3.16 DIGITAL MOTHER ASSY (4/8)

(*)MARKS	R366 R370 R374 R378	R338 R342 R346 R350 R382 R386 R390 R332	JA301
AWP7038	0	stby	AKB7173
AWP7043	0	0	AKB7173



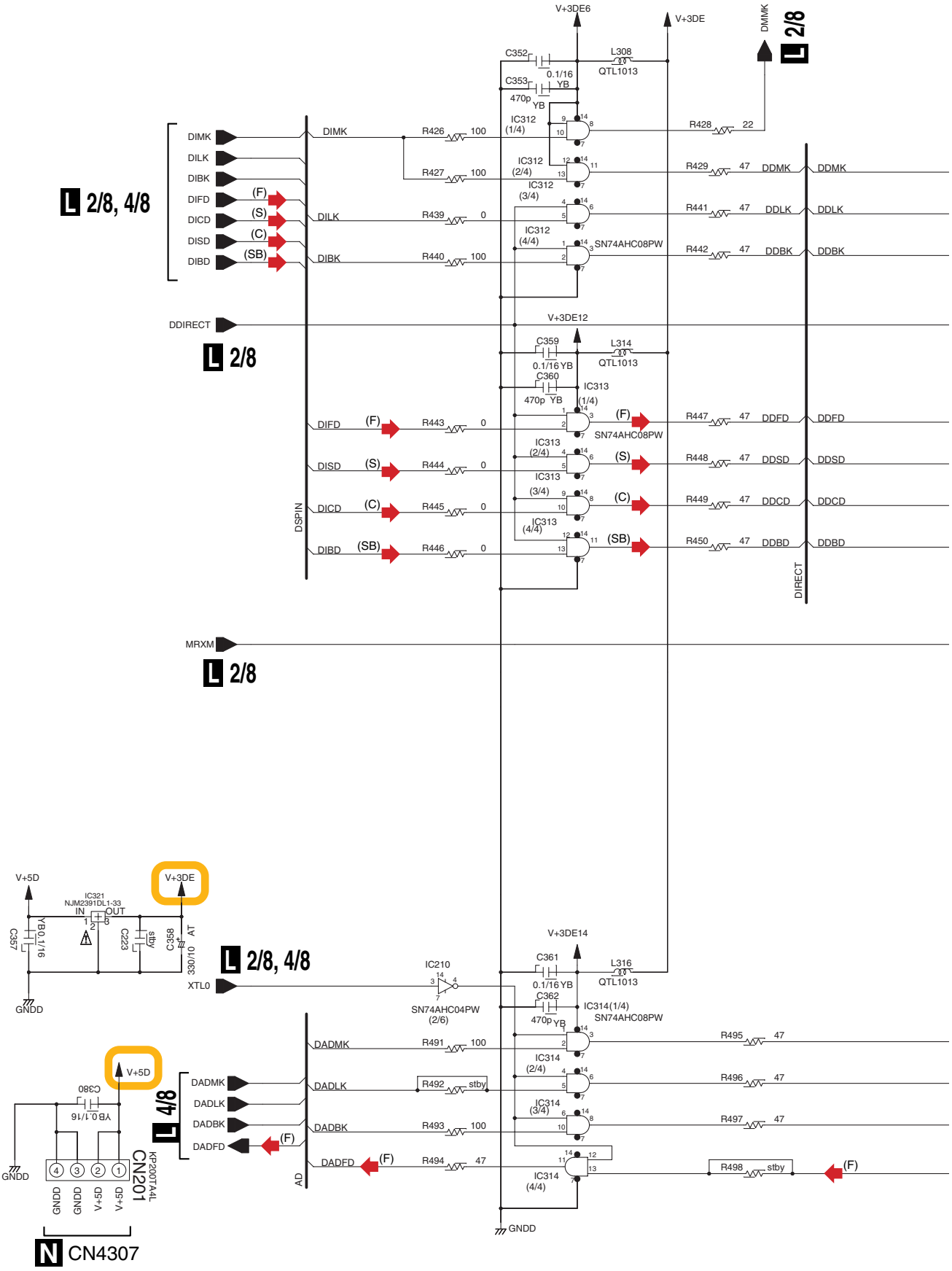
L 4/8 DIGITAL MOTHER ASSY
(VSX-AX4AVi:AWP7038)
(VSX-AX2AV:AWP7043)



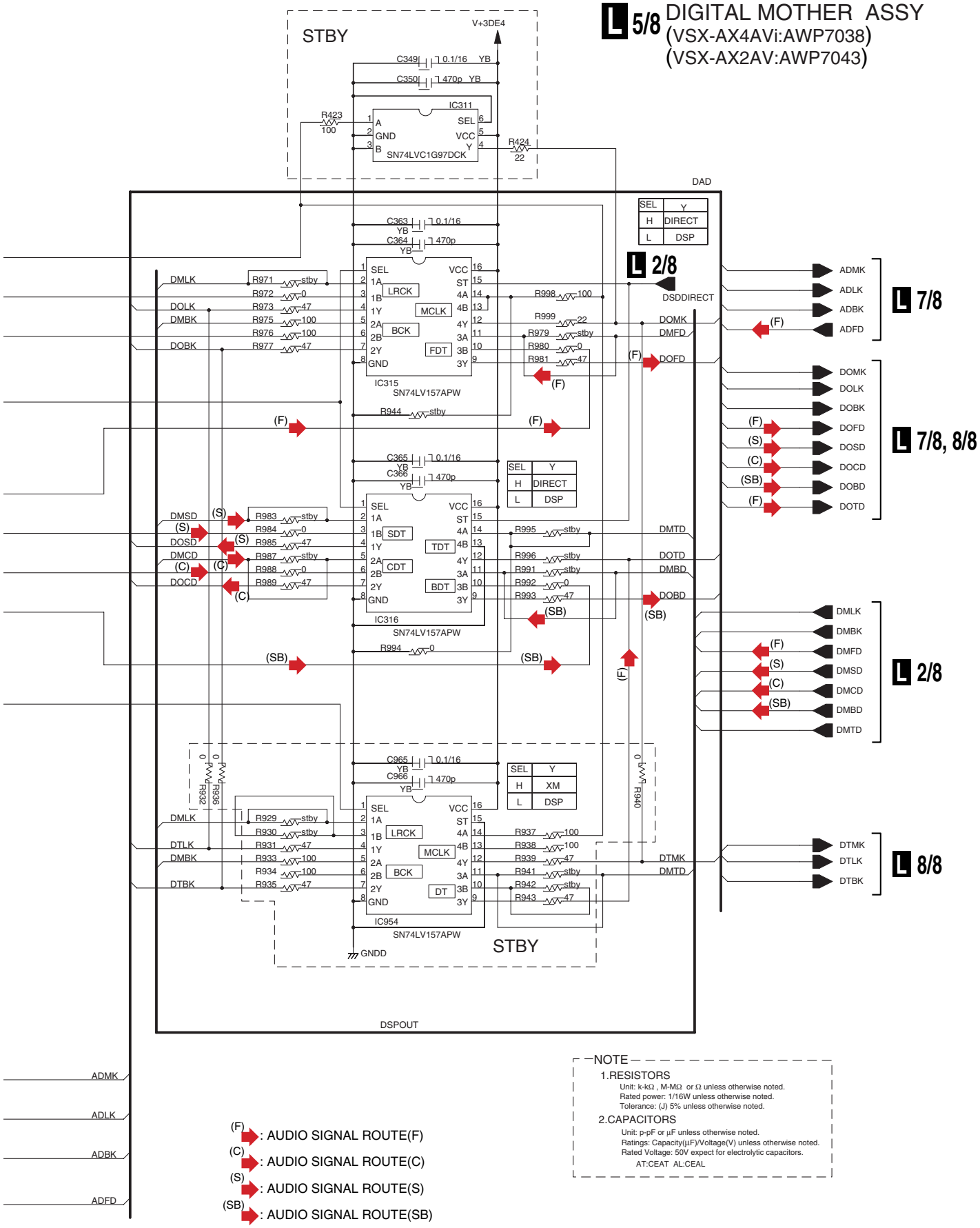
VSX-AX4AVi-S

57

3.17 DIGITAL MOTHER ASSY (5/8)



L 5/8 DIGITAL MOTHER ASSY
(VSX-AX4AVi:AWP7038)
(VSX-AX2AV:AWP7043)

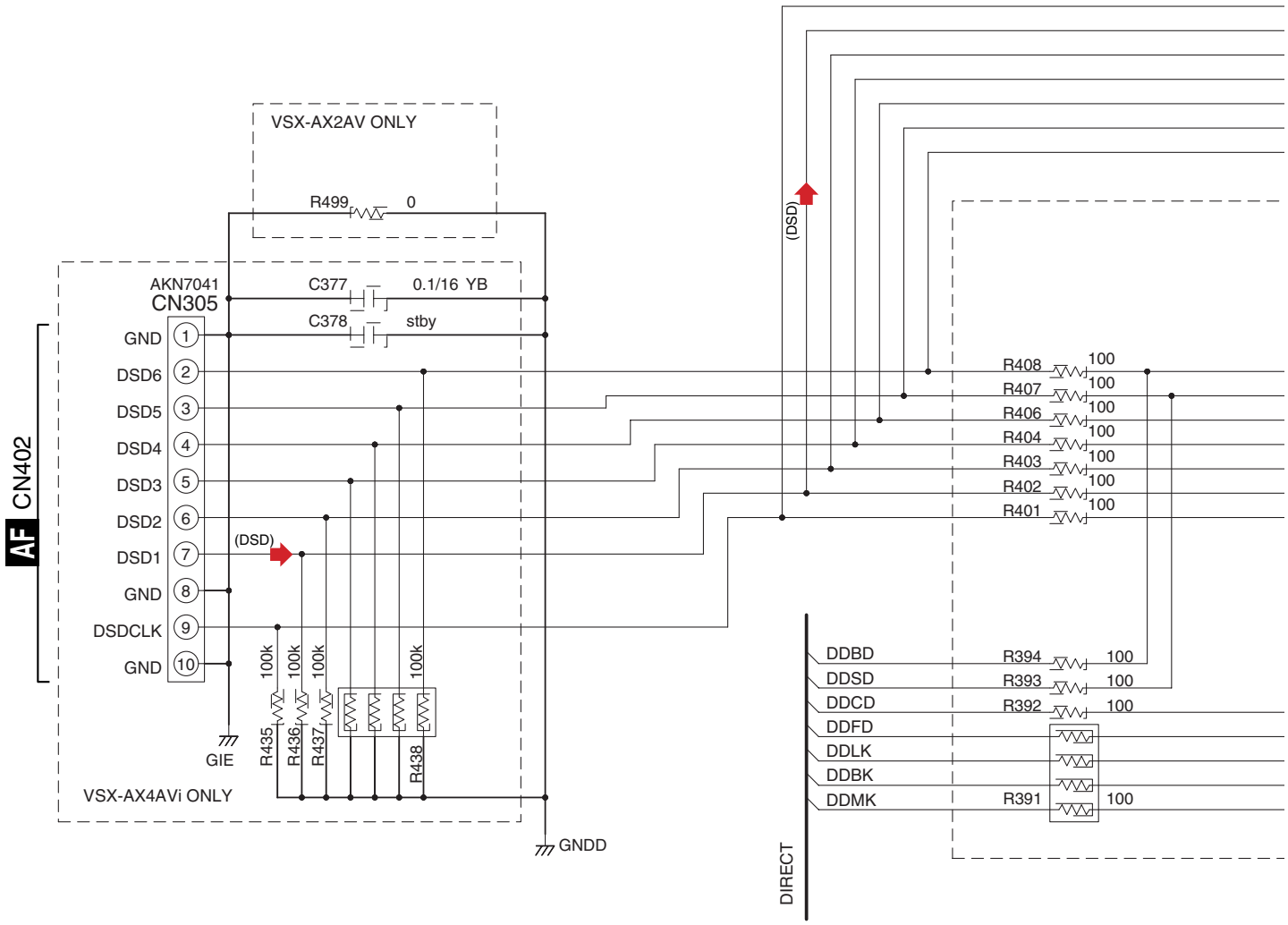


NOTE
1.RESISTORS
Unit: k-kΩ , M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) 5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
AT:CEAT AL:CEAL

(F): AUDIO SIGNAL ROUTE(F)
(C): AUDIO SIGNAL ROUTE(C)
(S): AUDIO SIGNAL ROUTE(S)
(SB): AUDIO SIGNAL ROUTE(SB)

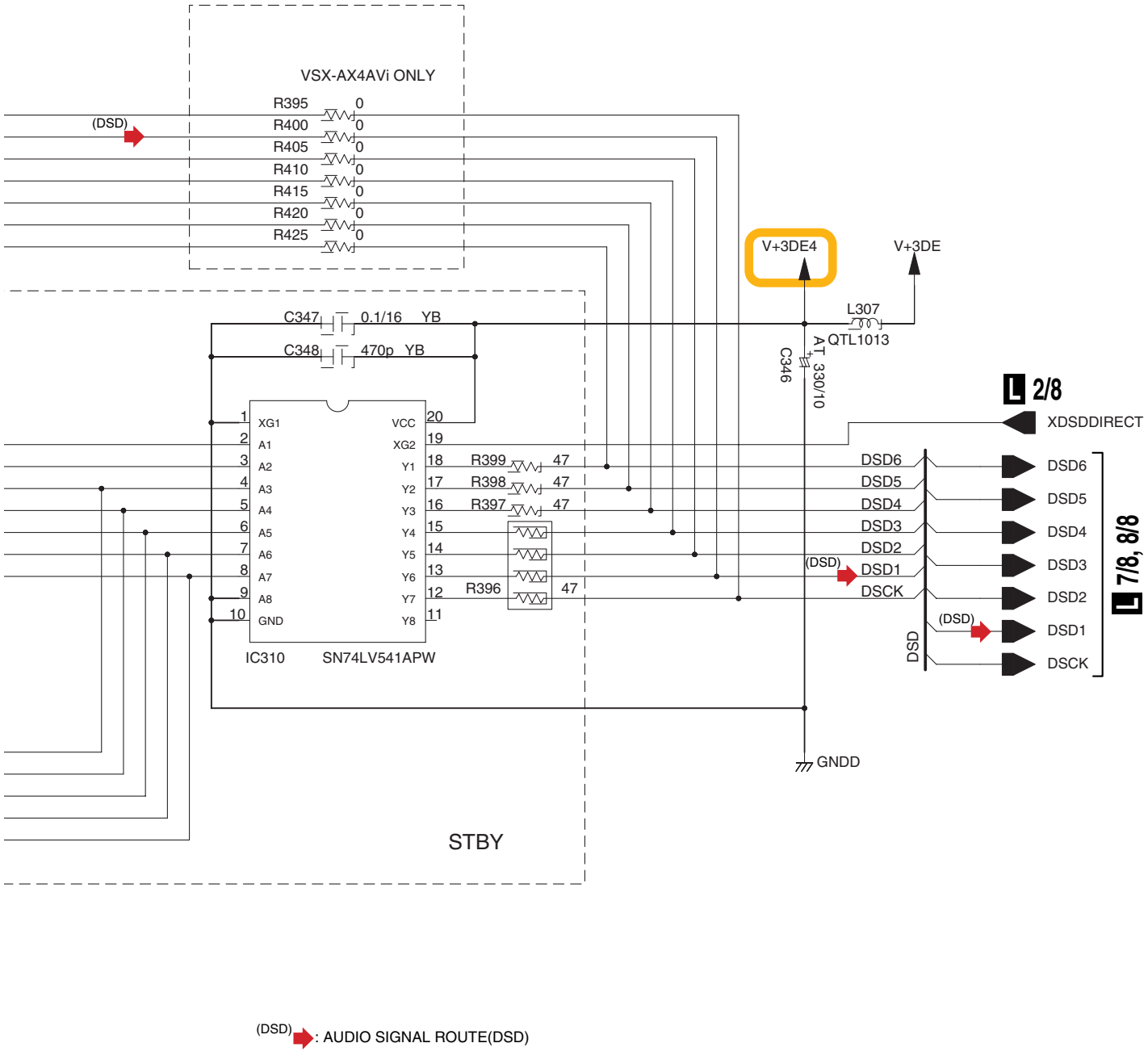
L 5/8

3.18 DIGITAL MOTHER ASSY (6/8)



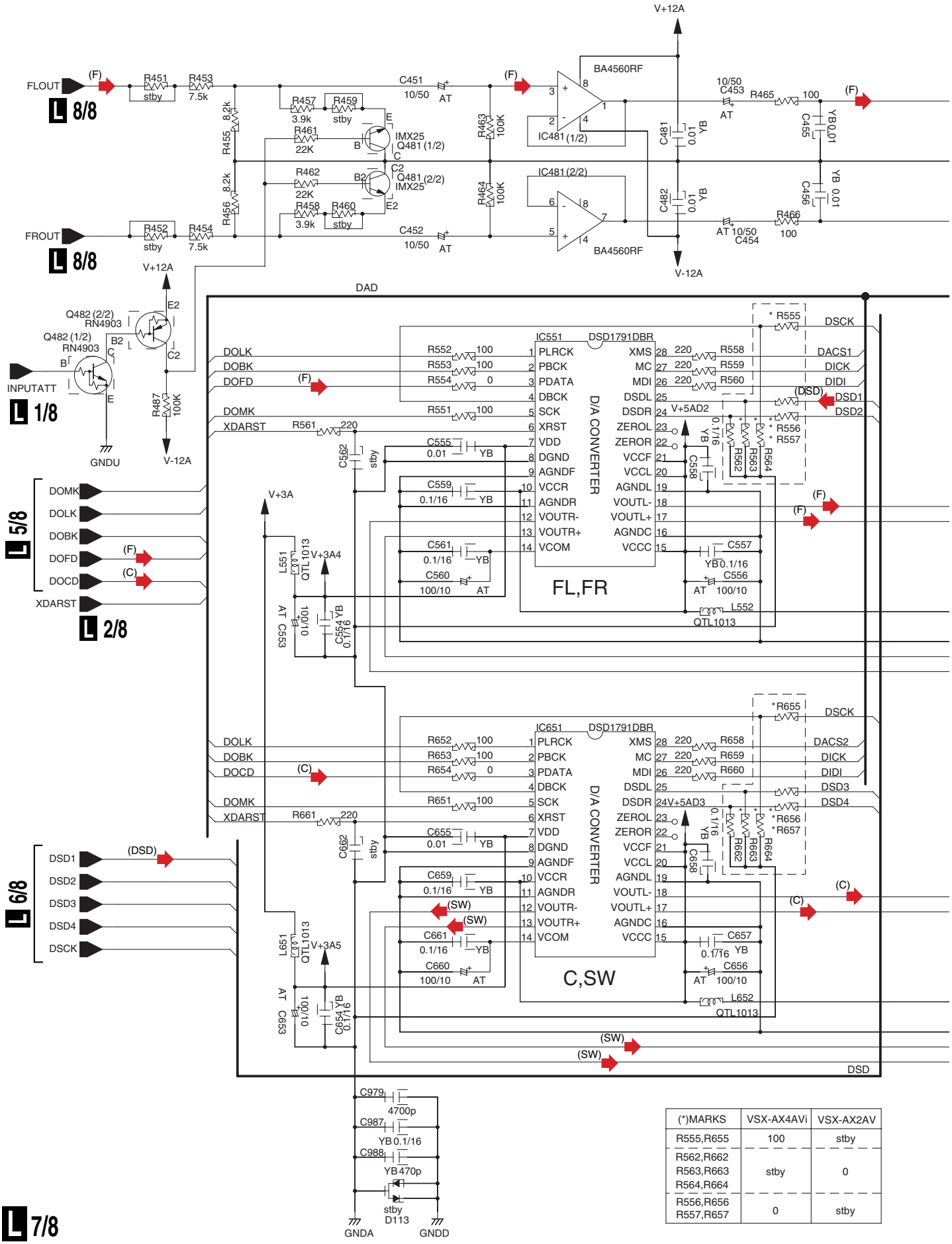
L 6/8

L 6/8 DIGITAL MOTHER ASSY
(VSX-AX4AVi:AWP7038)
(VSX-AX2AV:AWP7043)



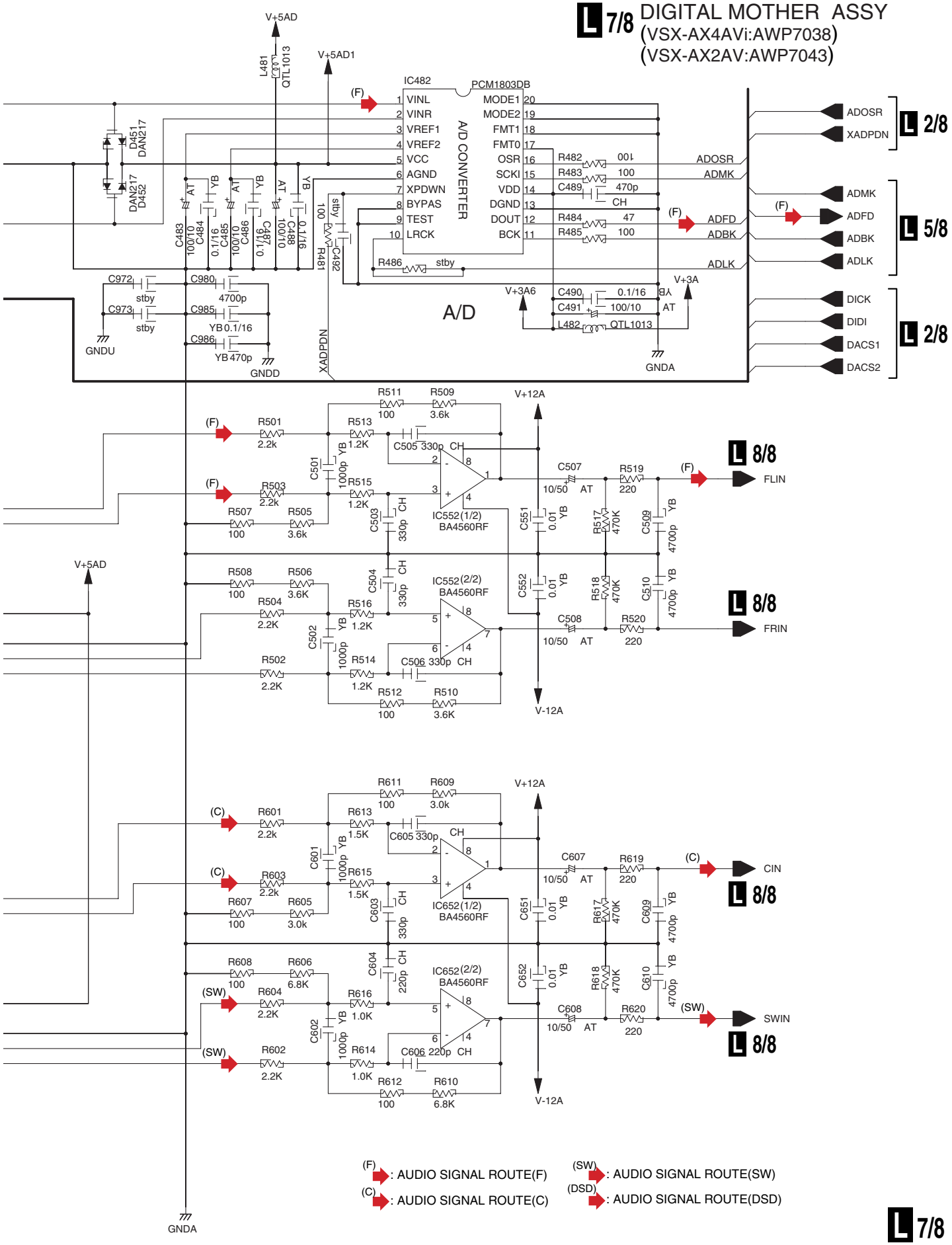
(DSD) : AUDIO SIGNAL ROUTE(DSD)

3.19 DIGITAL MOTHER ASSY (7/8)



(*)MARKS	VSX-AX4AVi	VSX-AX2AV
R555,R655	100	stby
R562,R662 R563,R663 R564,R664	stby	0
R556,R656 R557,R657	0	stby

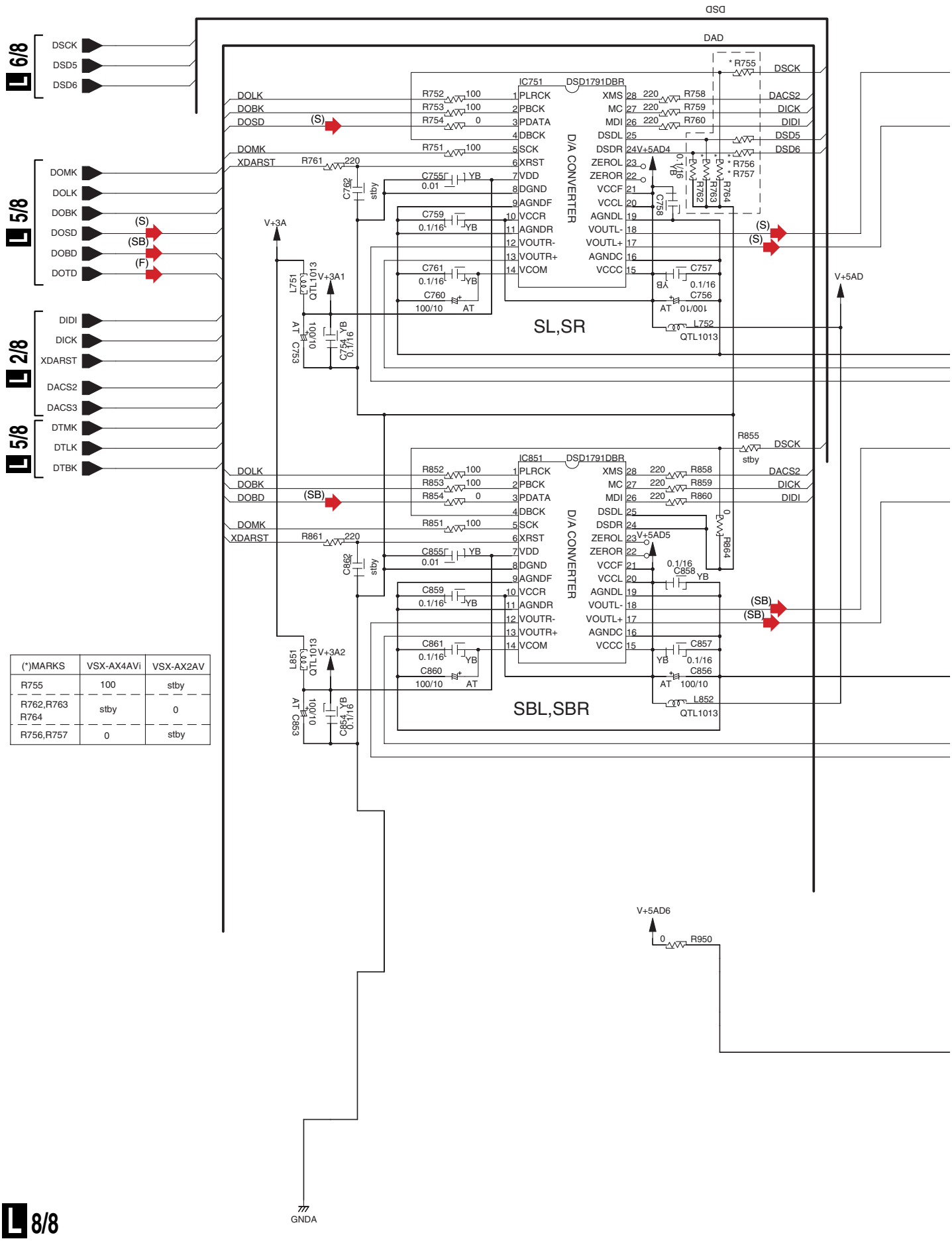
L 7/8 DIGITAL MOTHER ASSY
(VSX-AX4AVi:AWP7038)
(VSX-AX2AV:AWP7043)



(F): AUDIO SIGNAL ROUTE(F)
(C): AUDIO SIGNAL ROUTE(C)
(SW): AUDIO SIGNAL ROUTE(SW)
(DSD): AUDIO SIGNAL ROUTE(DSD)

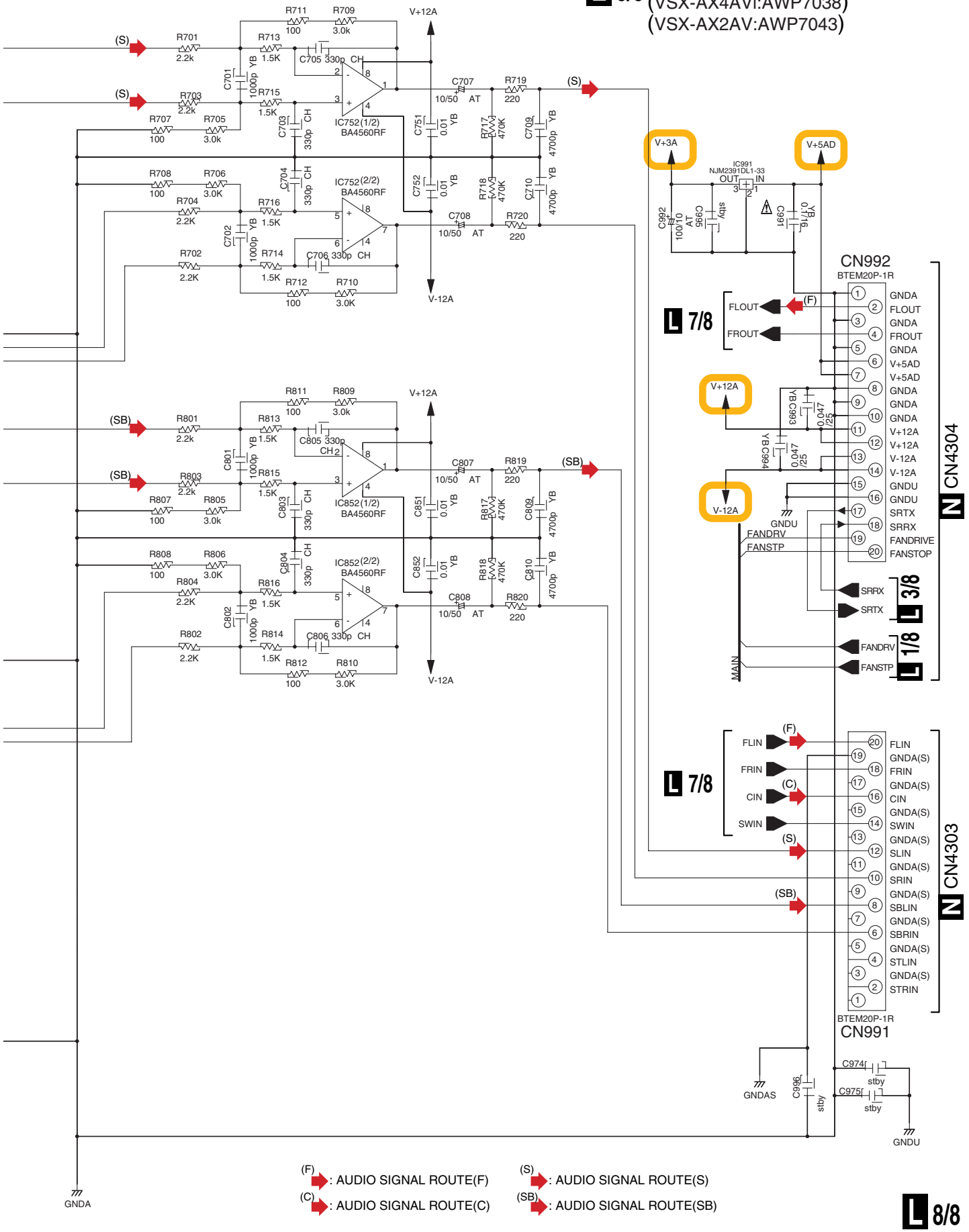
L 7/8

3.20 DIGITAL MOTHER ASSY (8/8)

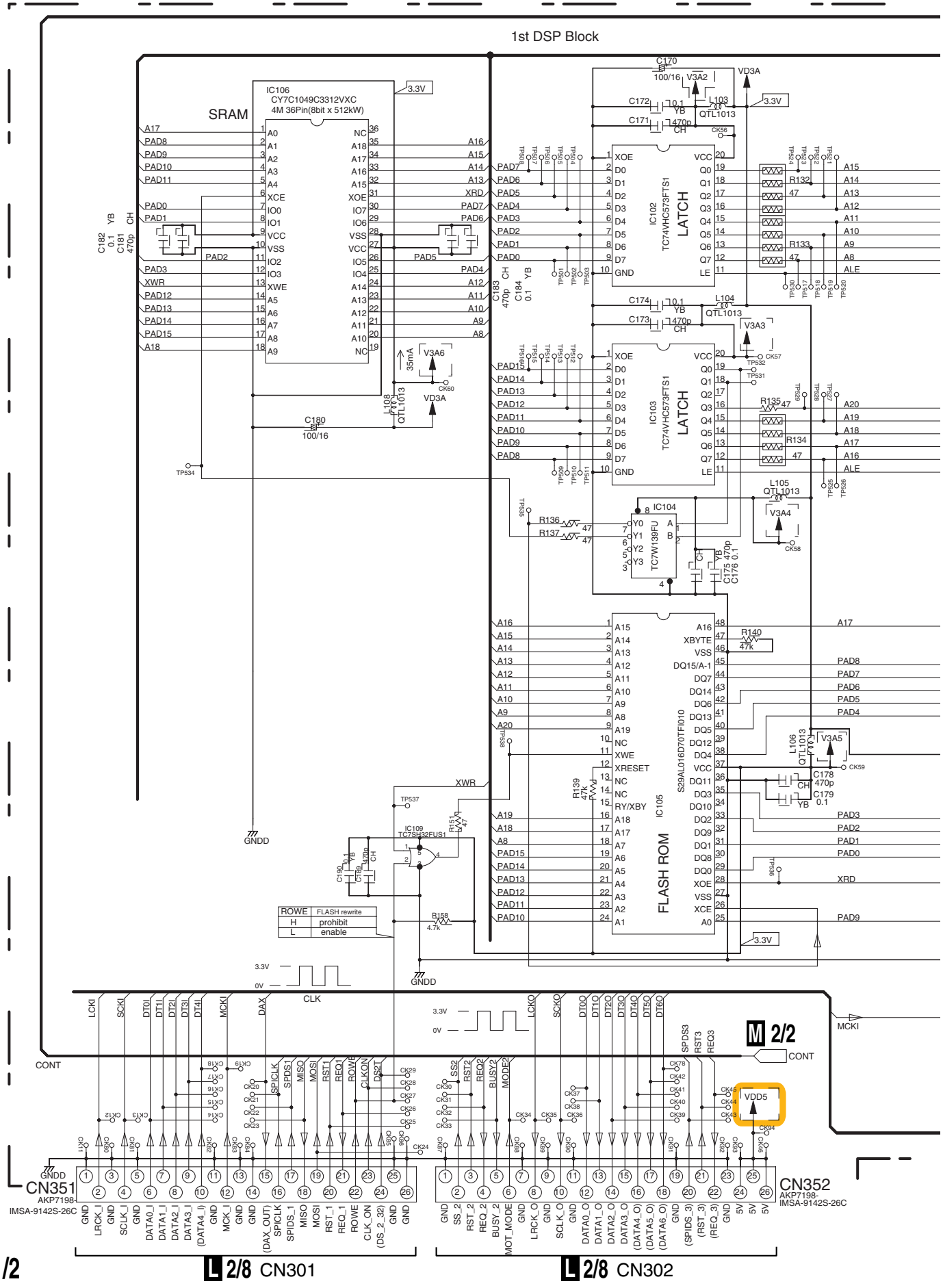


(*)MARKS	VSX-AX4AVi	VSX-AX2AV
R755	100	stby
R762,R763 R764	stby	0
R756,R757	0	stby

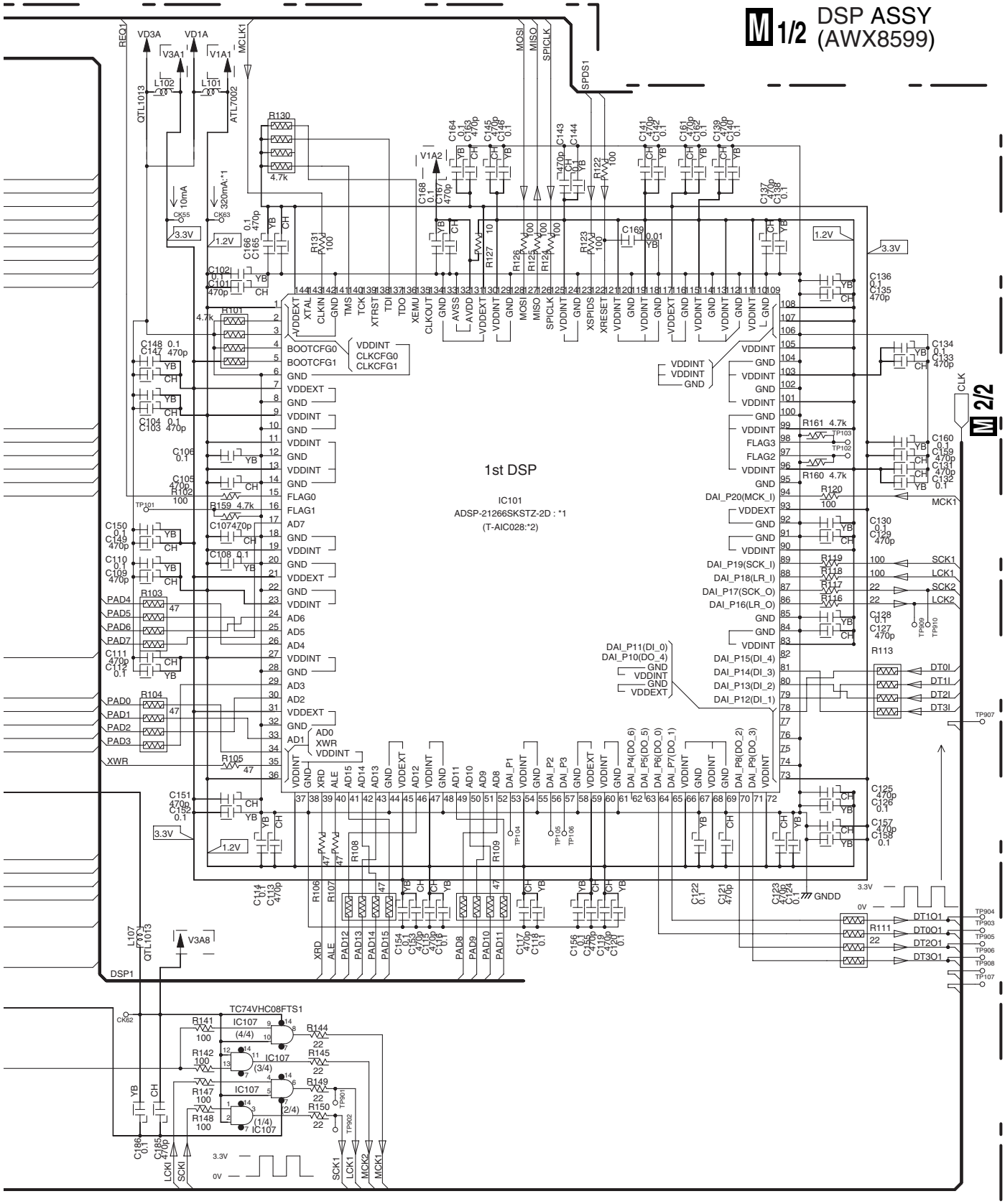
L 8/8 DIGITAL MOTHER ASSY
(VSX-AX4AVi:AWP7038)
(VSX-AX2AV:AWP7043)



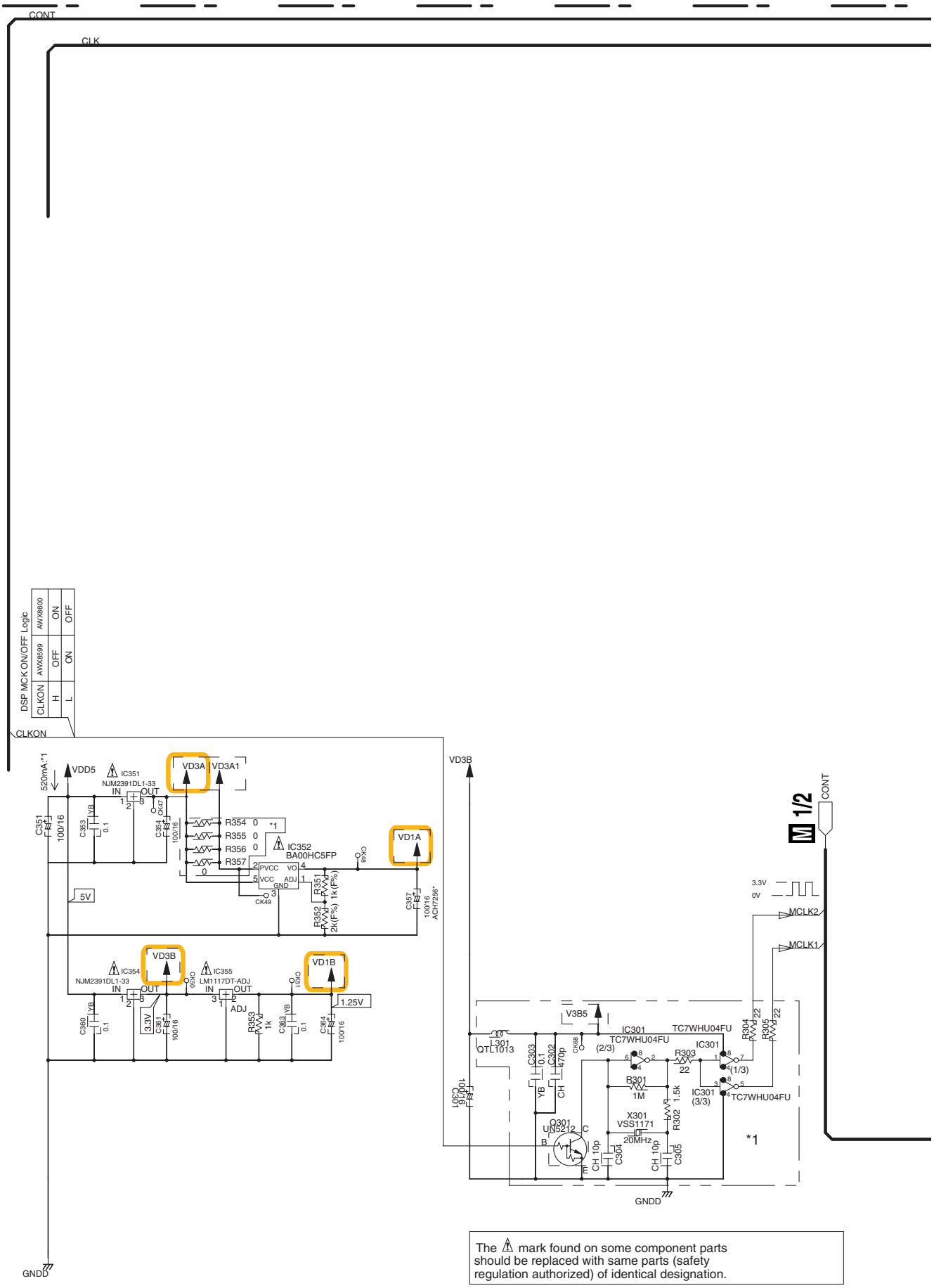
3.21 DSP ASSY (1/2)



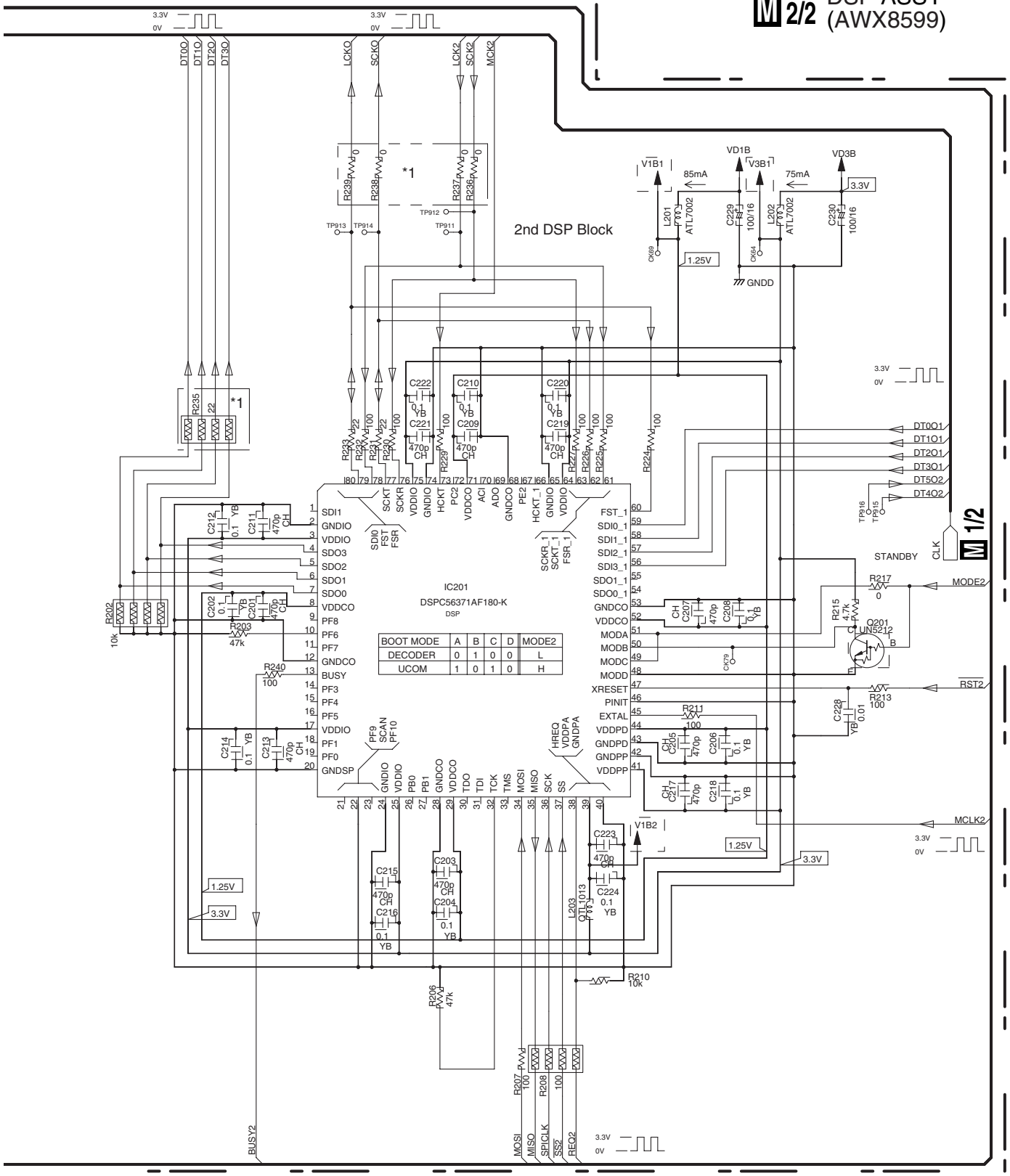
M 1/2 DSP ASSY (AWX8599)



3.22 DSP ASSY (2/2)

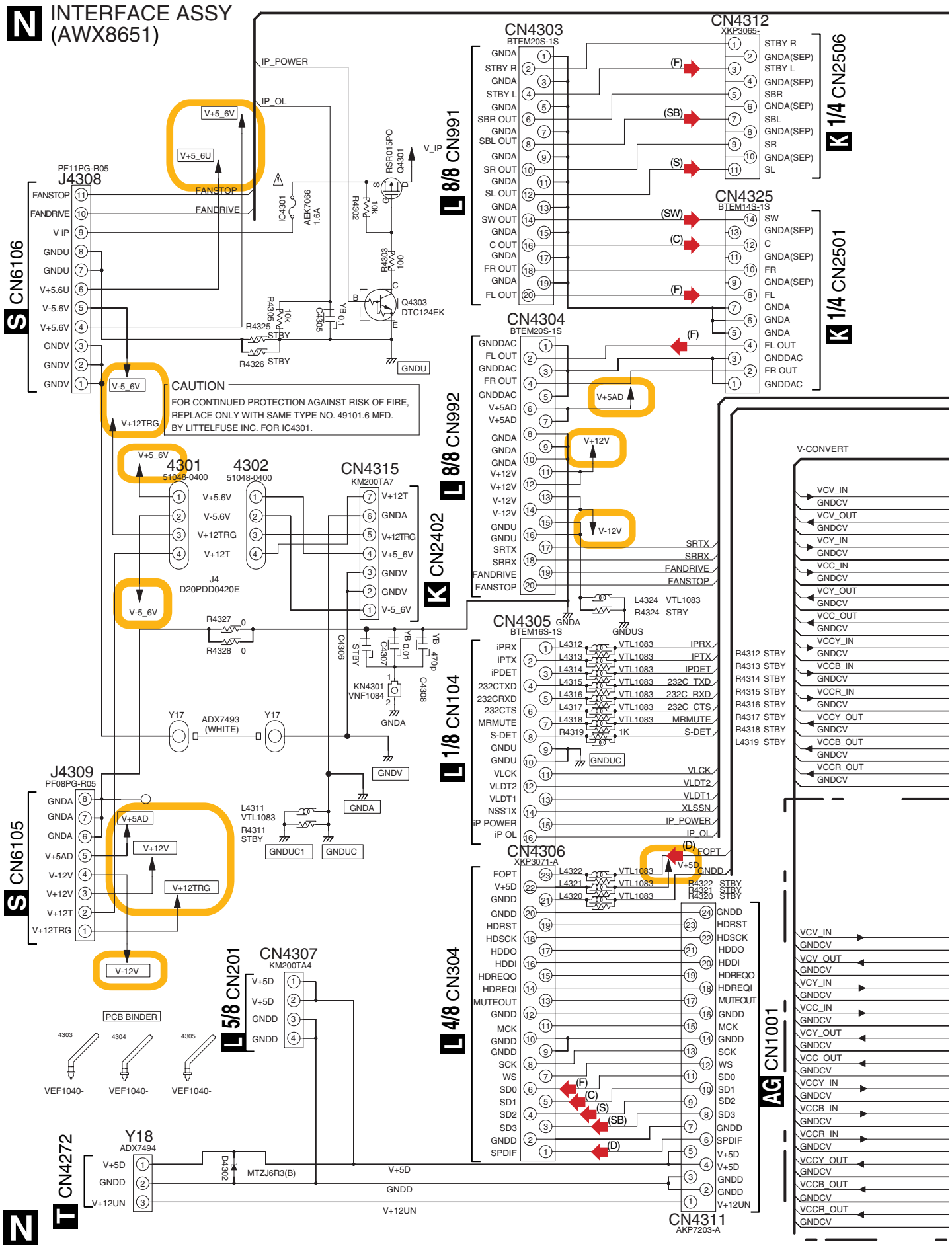


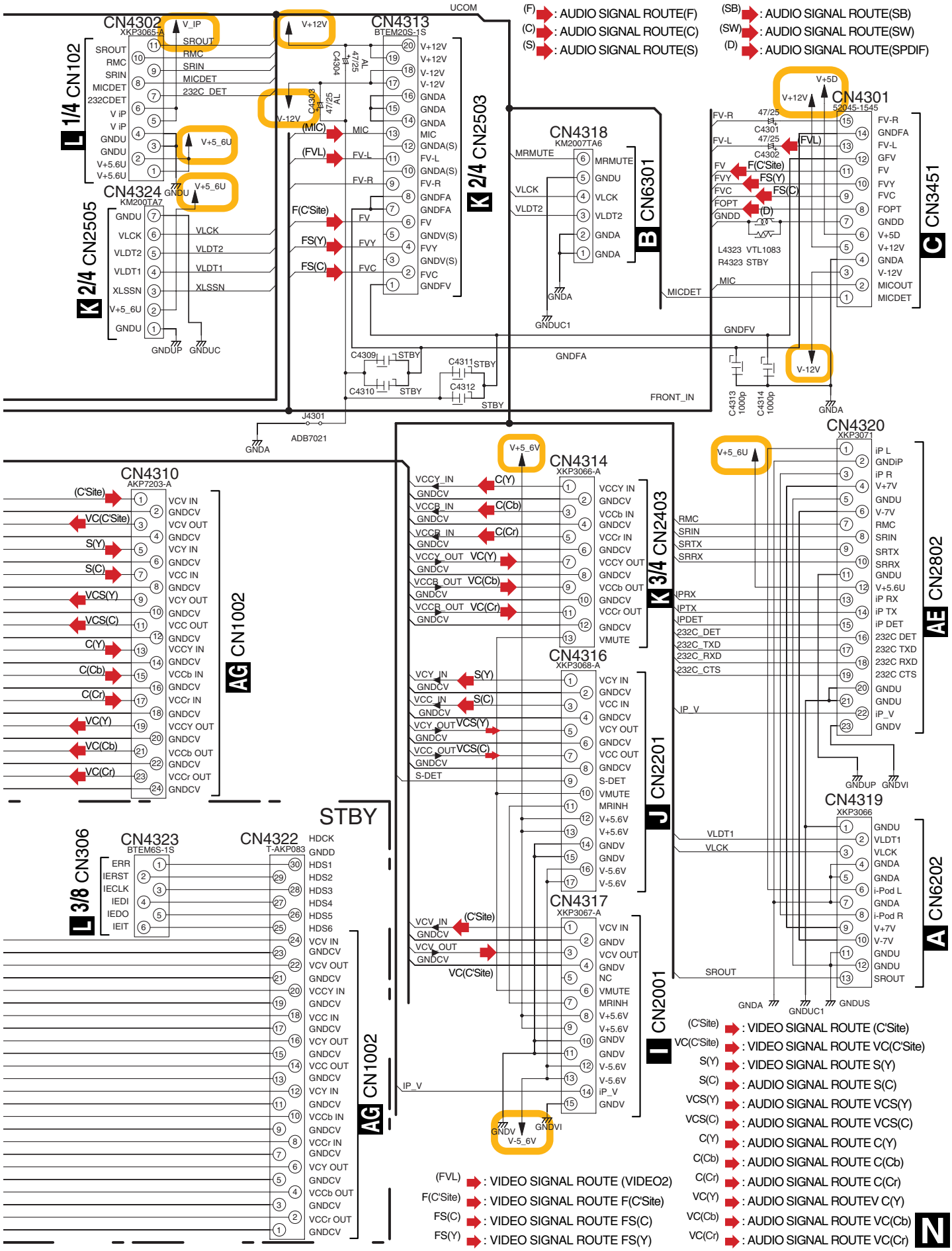
M 2/2 DSP ASSY (AWX8599)



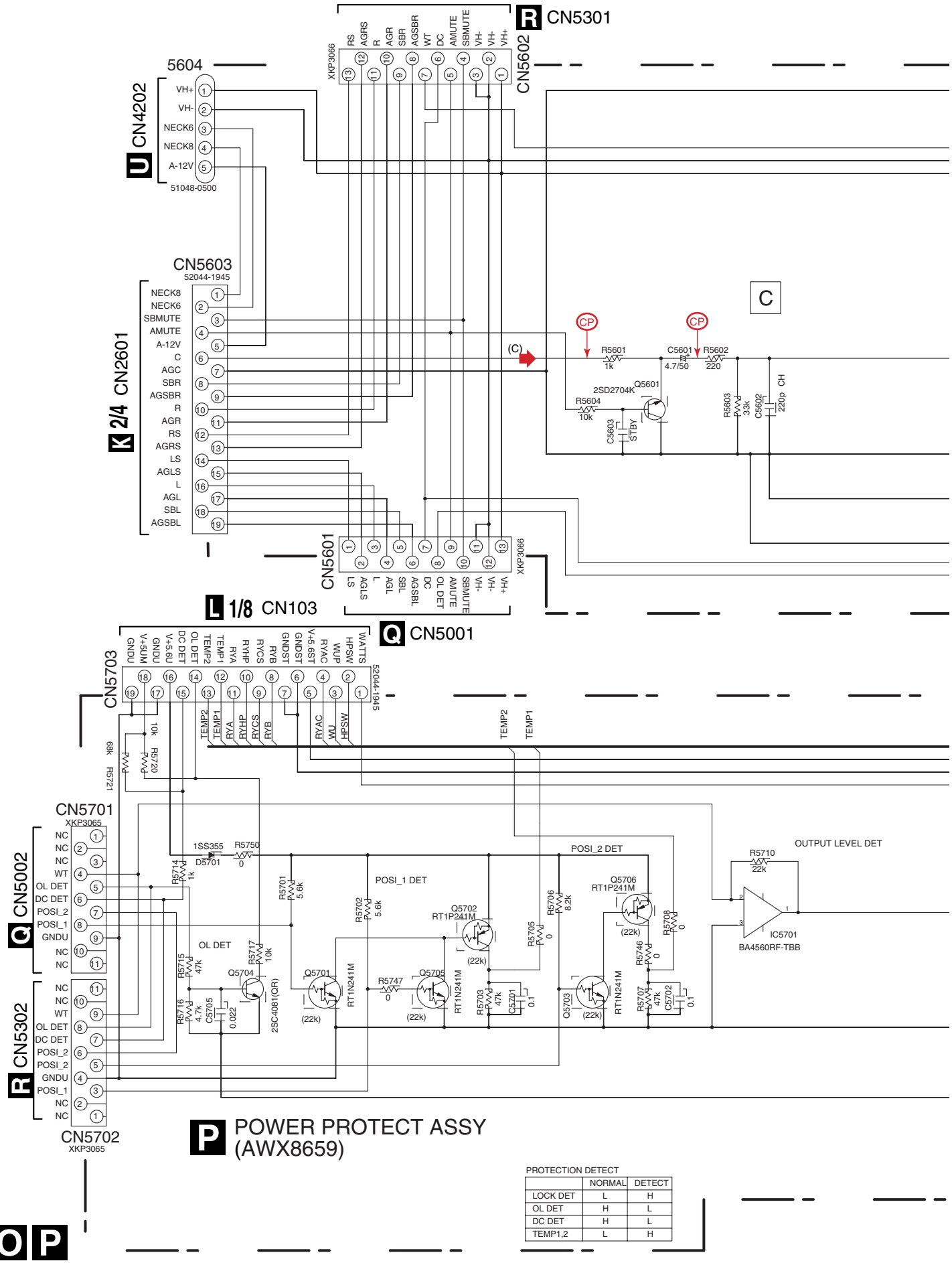
NOTES:
NO INDICATED PARTS IS...
CCSRCH****50-T
CKSRYB103K50-T
CKSRYB104K16-T
CEVW101M**-TRB
RS1/16S***J-T
RAB4C***J-T
UNLESS OTHERWISE NOTED

M 2/2


N INTERFACE ASSY (AWX8651)
CN4303 BTEM20S-1S
CN4312 XKP3065-
K 1/4 CN2506
CN4325 BTEM14S-1S
K 1/4 CN2501
L 8/8 CN991
CN4304 BTEM20S-1S
L 8/8 CN992
S CN6106 PF11PG-R05 J4308
IP_POWER
IP_OL
V+5_6V
V+5_6U
FANSTOP
FANDRIVE
V_IP
RSR015PO Q4301
IC4301 AEK7066 1.6A
R4302 PWW 10Ω
R4303 PWW 100
Q4303 DTC124EK
R4305 PWW 10k
C4305 YB 0.1
R4325 STBY
R4326 STBY
GNDU
V-5_6V
V+12TRG
CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO. 49101.6 MFD. BY LITTELFUSE INC. FOR IC4301.
4301 51048-0400
4302 51048-0400
CN4315 KM200TA7
J4 D20PDD0420E
K CN2402
R4327 0
R4328 0
C4306 STBY
C4307 YB 0.01
C4308 YB 470p
KN4301 VNF1084
GNDA
Y17 ADX7493 (WHITE)
GNDV
S CN6105 J4309 PF08PG-R05
V+5AD
V+12V
V+12TRG
V-12V
L4311 VTL1083
R4311 STBY
GNDUC1
GNDUC
CN4305 BTEM16S-1S
L 1/8 CN104
CN4306 XKP3071-A
L 4/8 CN304
AG CN1001
CN4311 AKP7203-A
L 5/8 CN201
CN4307 KM200TA4
PCB BINDER
VEF1040-
T CN4272
Y18 ADX7494
D4302 MTZJ6R3(B)
V+5D
GNDD
V+12UN
SRTX
SRRX
FANDRIVE
FANSTOP
L4324 VTL1083
R4324 STBY
V-CONVERT
VCV_IN
VCV_OUT
VCY_IN
VCC_IN
VCY_OUT
VCC_OUT
VCCY_IN
VCCB_IN
VCCR_IN
VCCY_OUT
VCCB_OUT
VCCR_OUT
GNDCV

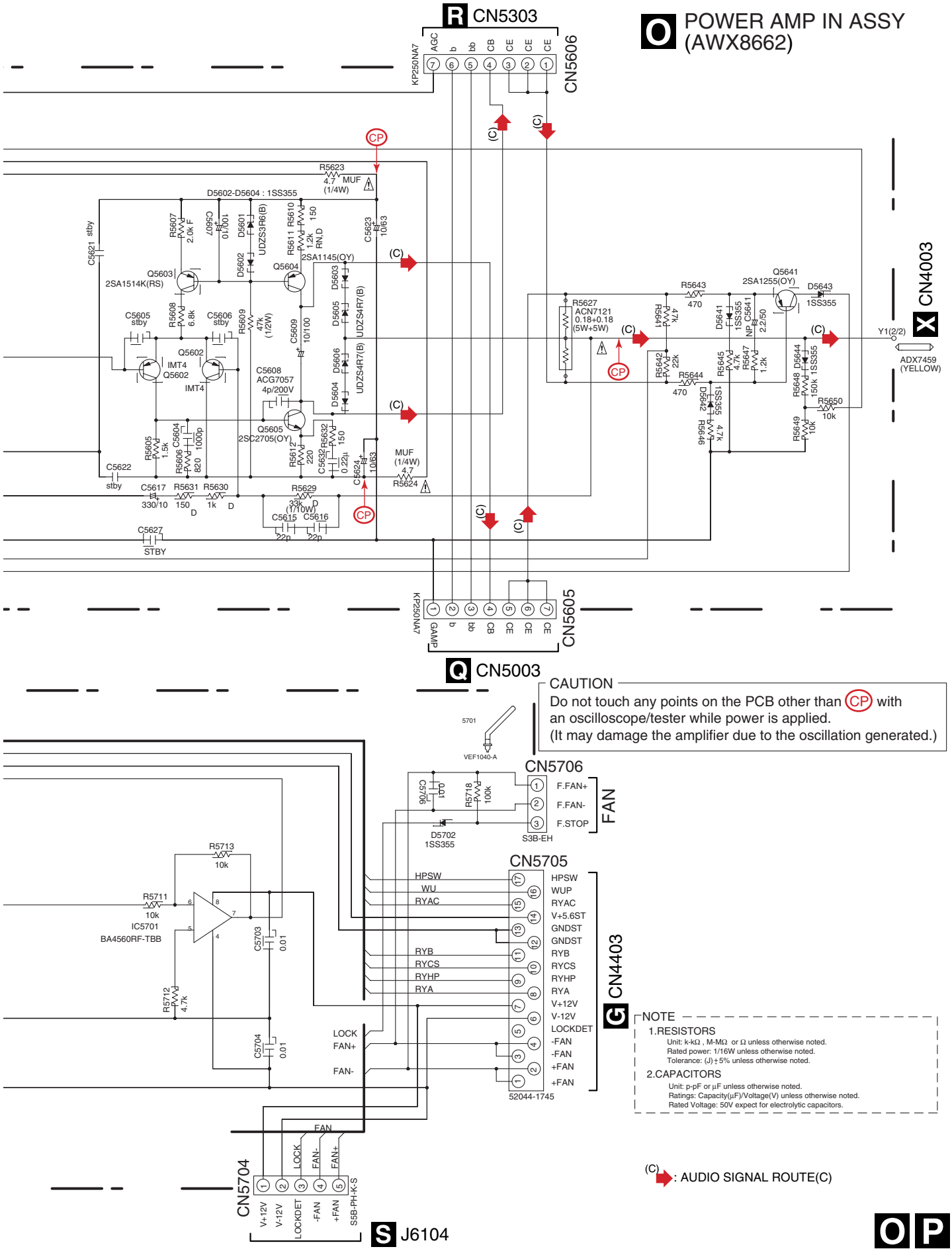

CN4302
XKP3065-A
V_IP
SROUT
RMC
SRIN
MICDET
232C_DET
L 1/4 CN102
CN4313
BTEM20S-1S
UCOM
V+12V
V-12V
(MIC)
(FVL)
F(C'Site)
FS(Y)
FS(C)
K 2/4 CN2503
CN4324
KM200TA7
K 2/4 CN2505
V+5_6U
GNDU
VLCK
VLDT2
VLDT1
XLSSN
GNDUP
GNDUC
CN4318
KM2007TA6
MRMUTE
VLCK
VLDT2
GNDA
GNDUC1
B CN6301
MICDET
CN4301
52045-1545
V+5D
FV-R
FV-L
FVL
FV
FVY
FVC
FOPT
GNDD
F(C'Site)
FS(Y)
FS(C)
(D)
L4323 VTL1083
R4323 STBY
MIC
MICOUT
C CN3451
GNDFV
GNDFA
FRONT_IN
C4309
C4310
C4311
C4312
STBY
C4313 1000p
C4314 1000p
J4301
ADB7021
CN4310
AKP7203-A
(C'Site)
VC(C'Site)
S(Y)
S(C)
VCS(Y)
VCS(C)
C(Y)
C(Cb)
C(Cr)
VC(Y)
VC(Cb)
VC(Cr)
AG CN1002
CN4314
XKP3066-A
C(Y)
C(Cb)
C(Cr)
VC(Y)
VC(Cb)
VC(Cr)
K 3/4 CN2403
CN4316
XKP3068-A
S(Y)
S(C)
VCS(Y)
VCS(C)
S-DET
J CN2201
CN4317
XKP3067-A
(C'Site)
VC(C'Site)
IP_V
V-5_6V
CN4320
XKP3071
AE CN2802
RMC
SRIN
SRTX
SRRX
IPRX
IPTX
IPDET
232C_DET
232C_TXD
232C_RXD
232C_CTS
IP_V
CN4319
XKP3066
VLDT1
VLCK
SROUT
A CN6202
GNDA
GNDUC1
GNDUS
GNDUP
GNDVI
STBY
L 3/8 CN306
CN4323
BTEM6S-1S
ERR
IERST
IECLK
IEDI
IEDO
IEIT
CN4322
T-AKP083
HDCK
GNDD
HDS1
HDS2
HDS3
HDS4
HDS5
HDS6
AG CN1002
I CN2001
(F) : AUDIO SIGNAL ROUTE(F)
(C) : AUDIO SIGNAL ROUTE(C)
(S) : AUDIO SIGNAL ROUTE(S)
(SB) : AUDIO SIGNAL ROUTE(SB)
(SW) : AUDIO SIGNAL ROUTE(SW)
(D) : AUDIO SIGNAL ROUTE(SPDIF)
(C'Site) : VIDEO SIGNAL ROUTE (C'Site)
VC(C'Site) : VIDEO SIGNAL ROUTE VC(C'Site)
S(Y) : VIDEO SIGNAL ROUTE S(Y)
S(C) : AUDIO SIGNAL ROUTE S(C)
VCS(Y) : AUDIO SIGNAL ROUTE VCS(Y)
VCS(C) : AUDIO SIGNAL ROUTE VCS(C)
C(Y) : AUDIO SIGNAL ROUTE C(Y)
C(Cb) : AUDIO SIGNAL ROUTE C(Cb)
C(Cr) : AUDIO SIGNAL ROUTE C(Cr)
VC(Y) : AUDIO SIGNAL ROUTEV C(Y)
VC(Cb) : AUDIO SIGNAL ROUTE VC(Cb)
VC(Cr) : AUDIO SIGNAL ROUTE VC(Cr)
(FVL) : VIDEO SIGNAL ROUTE (VIDEO2)
F(C'Site) : VIDEO SIGNAL ROUTE F(C'Site)
FS(C) : VIDEO SIGNAL ROUTE FS(C)
FS(Y) : VIDEO SIGNAL ROUTE FS(Y)
N

3.24 POWER AMP IN and POWER PROTECT ASSYS

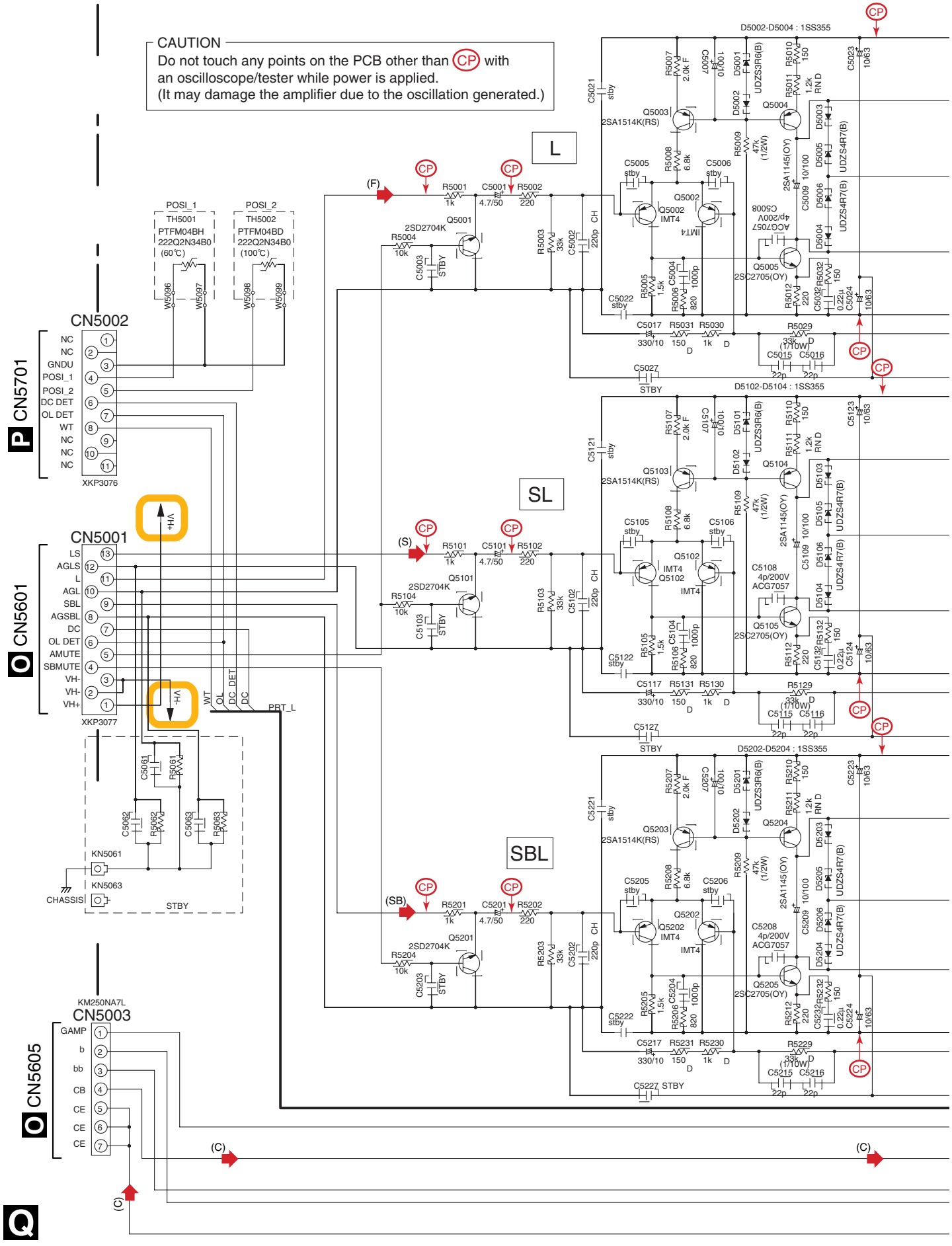


PROTECTION DETECT

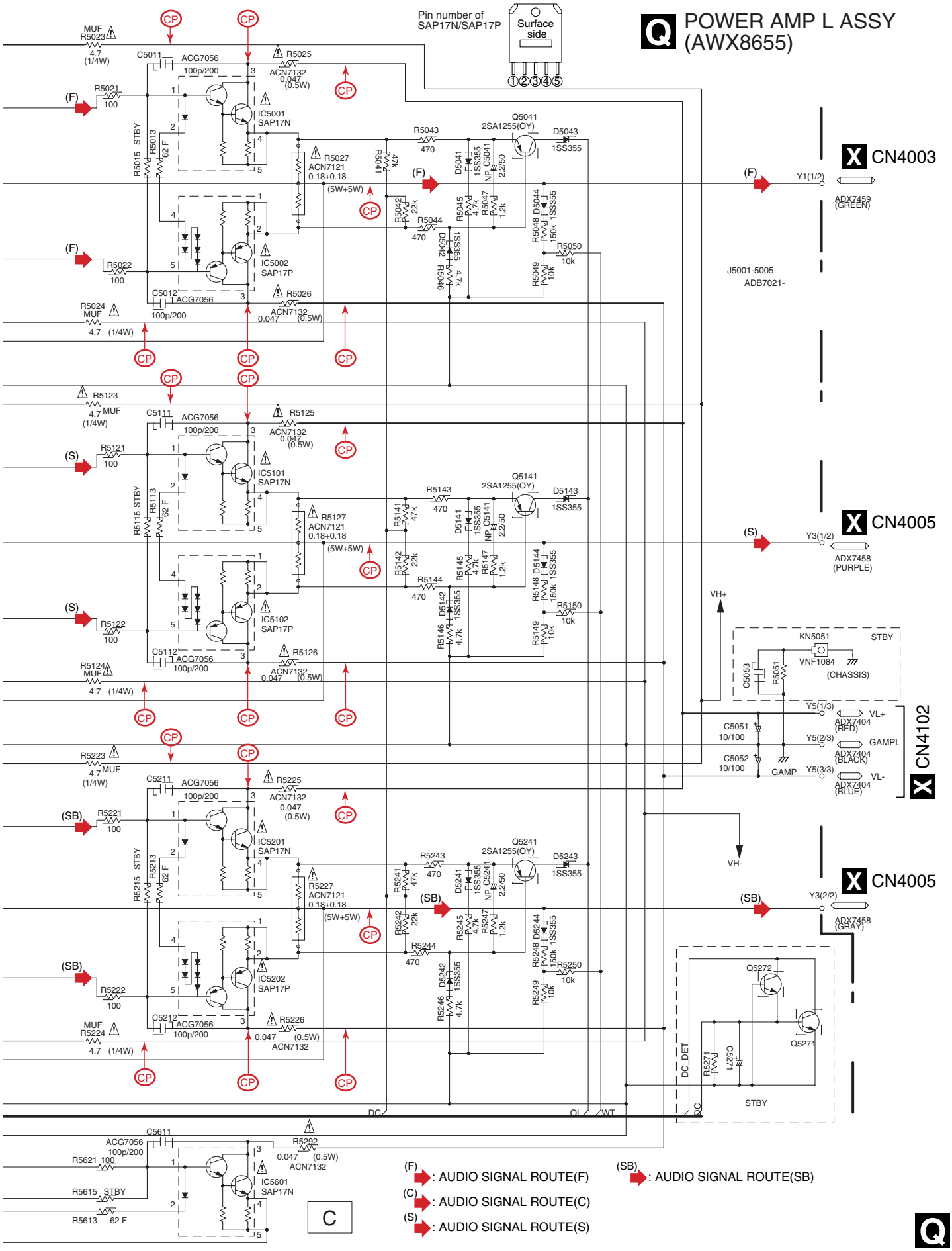
	NORMAL	DETECT
LOCK DET	L	H
OL DET	H	L
DC DET	H	L
TEMP1,2	L	H


R CN5303
KP250NA7
AGC
b
bb
CB
CE
CE
CE
CN5606
O POWER AMP IN ASSY (AWX8662)
CP
R5623
4.7 MUF (1/4W)
D5602-D5604 : 1SS355
C5621 stby
R5607 2.0k F
C5607 0.1/100
D5601
UDZS3R6(B)
R5611 R5610 1.2k 150 RN D
C5623 10/63
D5602
2SA1145(QY)
Q5603 2SA1514K(RS)
Q5604
D5603
D5605
UDZS4R7(B)
C5605 stby
R5608 6.8k
C5606 stby
R5609 47k (1/2W)
C5609 10/100
Q5602 IMT4
IMT4 Q5602
C5608 ACG7057 4p/200V
D5606
D5604
UDZS4R7(B)
Q5605 2SC2705(OY)
R5605 1.5k
C5604 1000p
R5606 820
R5612 220
R5632 150
C5632 0.22µ
C5624 10/63
MUF (1/4W) 4.7
R5624
C5622 stby
C5617 330/10
R5631 150 D
R5630 1k D
R5629 33k D (1/10W)
C5615 22p
C5616 22p
C5627 STBY
(C)
R5627 ACN7121 0.18+0.18 (5W+5W)
R5643 470
Q5641 2SA1255(OY)
D5643 1SS355
R5641 4.7k
D5641 1SS355
NP C5641 2.2/50
R5642 22k
R5644 470
R5645 4.7k
R5647 1.2k
D5642 1SS355
R5646 4.7k
D5644 1SS355
R5648 150k
R5649 10k
R5650 10k
CN4003
X
Y1(2/2)
ADX7459 (YELLOW)
KP250NA7
GAMP
b
bb
CB
CE
CE
CE
CN5605
Q CN5003
CAUTION
Do not touch any points on the PCB other than CP with an oscilloscope/tester while power is applied.
(It may damage the amplifier due to the oscillation generated.)
5701
VEF1040-A
CN5706
C5706 0.01
R5718 100k
D5702 1SS355
F.FAN+
F.FAN-
F.STOP
S3B-EH
FAN
R5713 10k
R5711 10k
IC5701 BA4560RF-TBB
C5703 0.01
R5712 4.7k
C5704 0.01
CN5705
HPSW
WU
RYAC
RYB
RYCS
RYHP
RYA
LOCK
FAN+
FAN-
V+5.6ST
GNDST
GNDST
V+12V
V-12V
LOCKDET
-FAN
-FAN
+FAN
+FAN
52044-1745
G CN4403
NOTE
1.RESISTORS
Unit: k-kΩ , M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J)±5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
(C): AUDIO SIGNAL ROUTE(C)
FAN
LOCK
FAN-
FAN+
CN5704
V+12V
V-12V
LOCKDET
-FAN
+FAN
S5B-PH-K-S
S J6104
O P

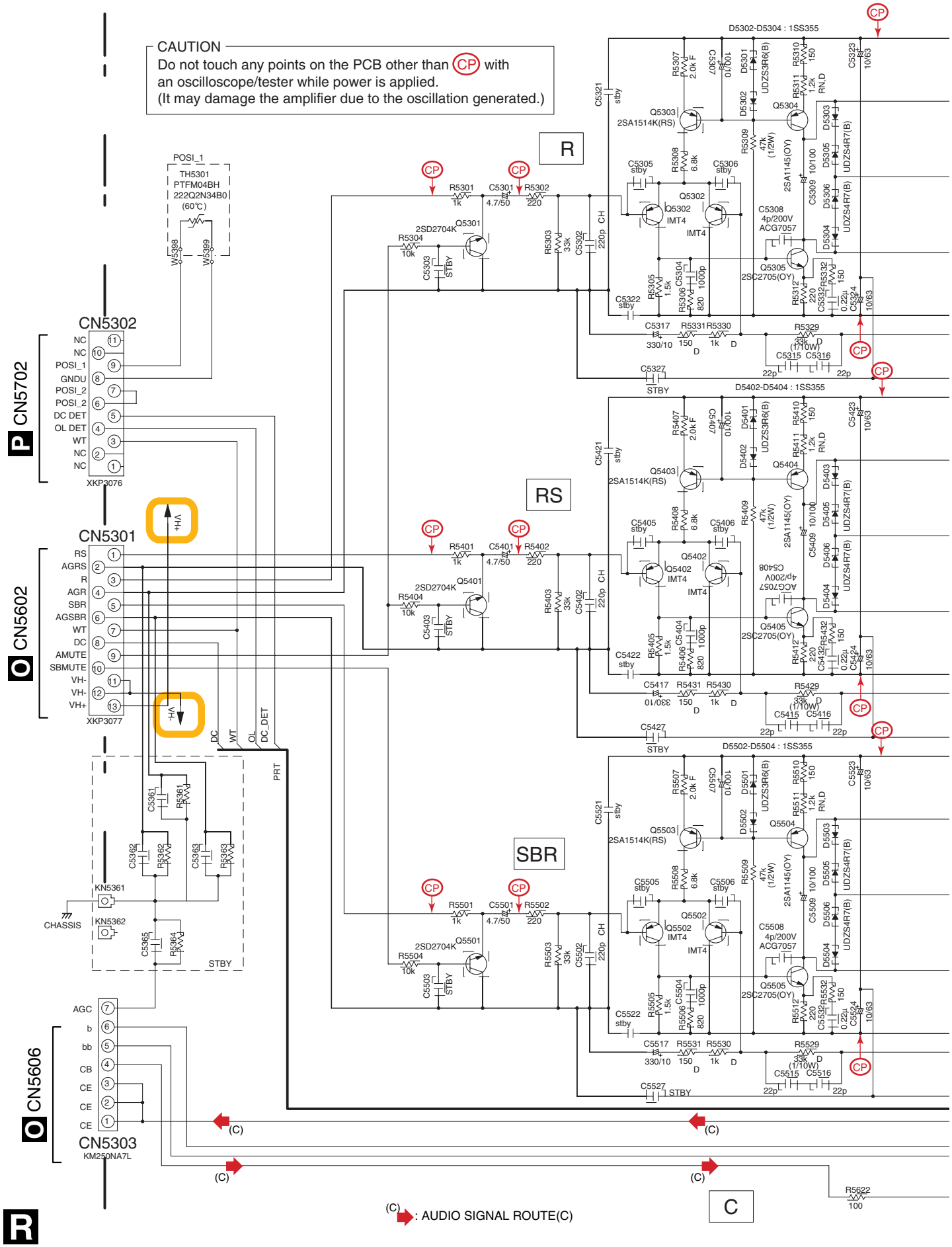
3.25 POWER AMP L ASSY



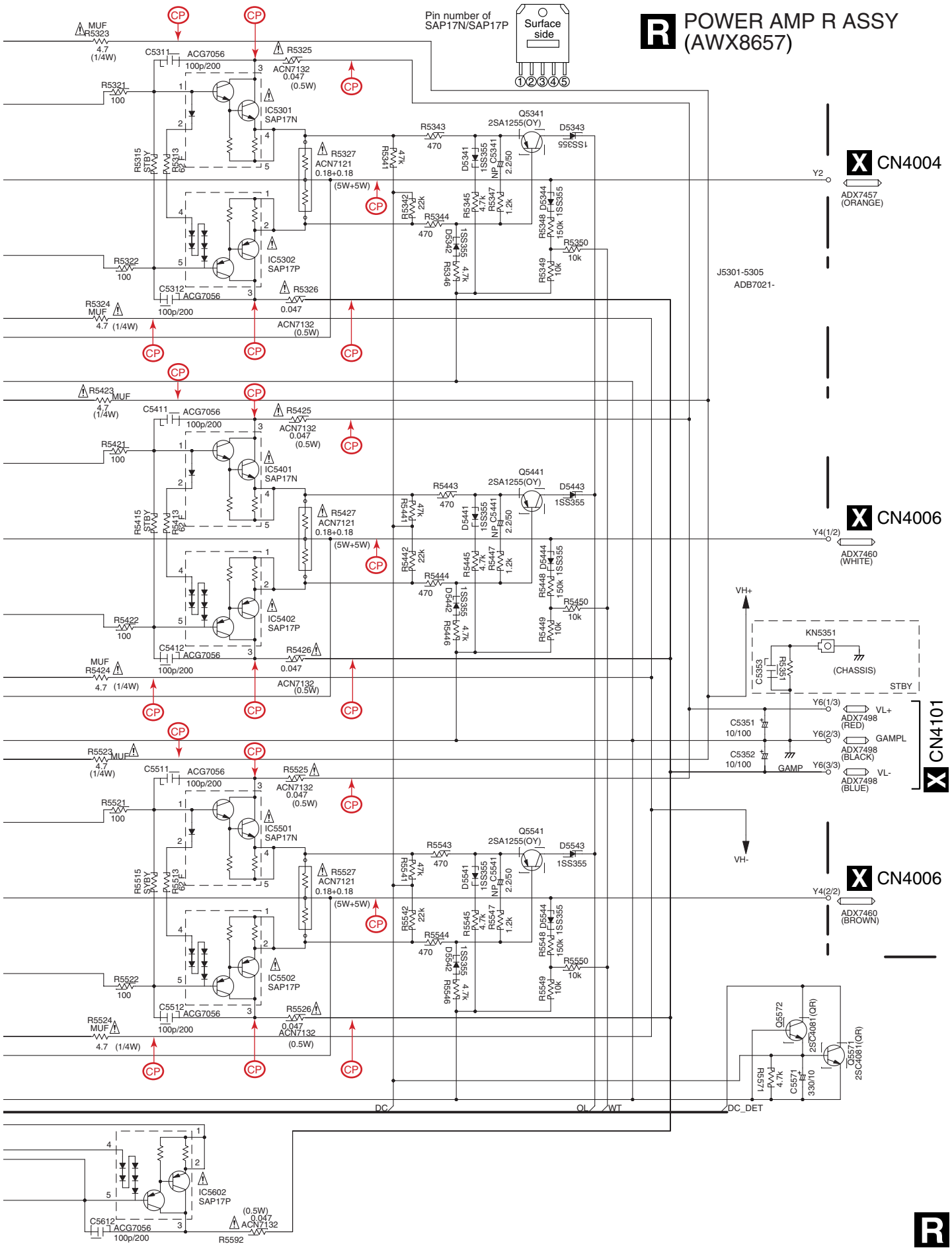
POWER AMP L ASSY (AWX8655)



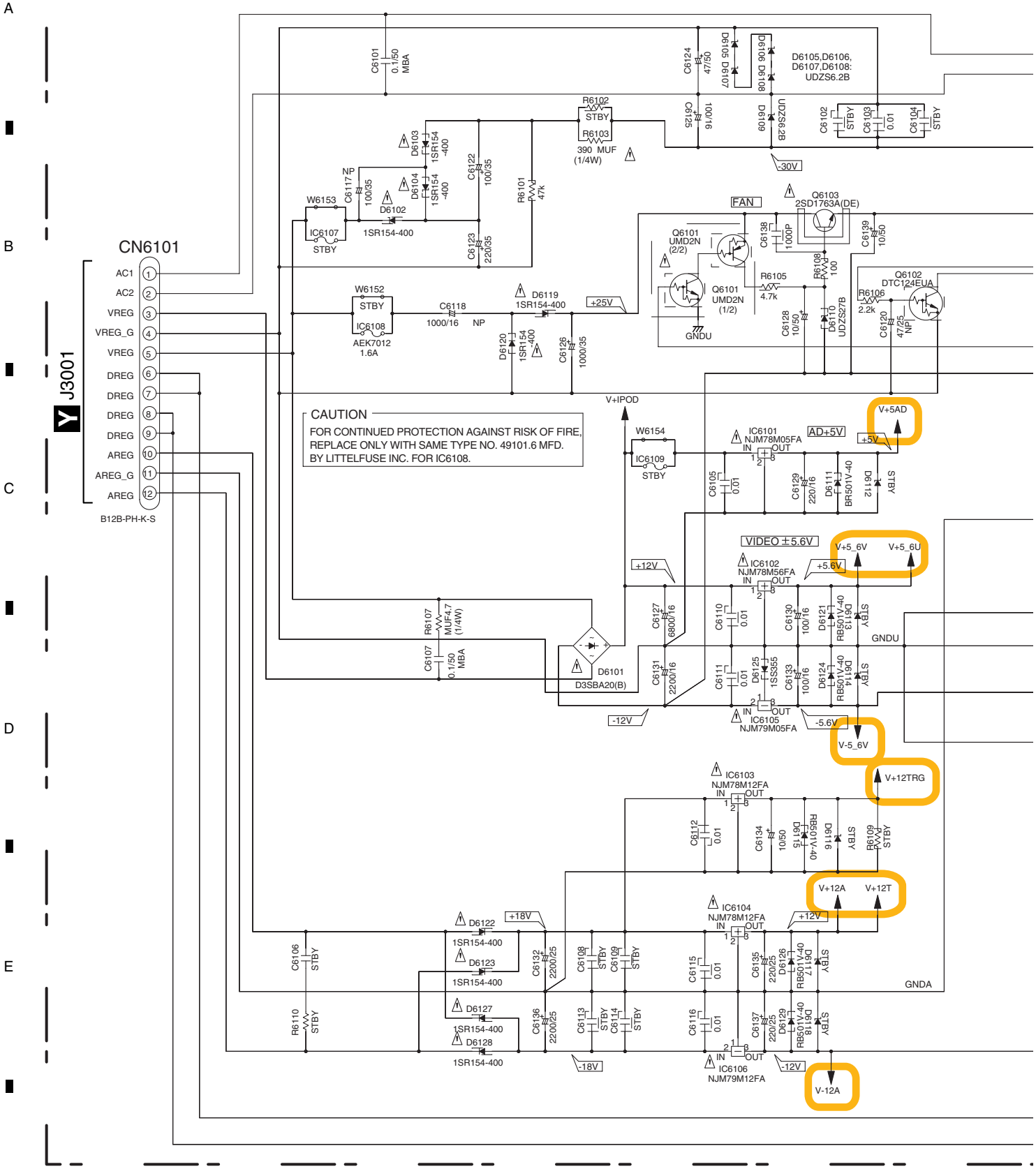
3.26 POWER AMP R ASSY



R POWER AMP R ASSY (AWX8657)



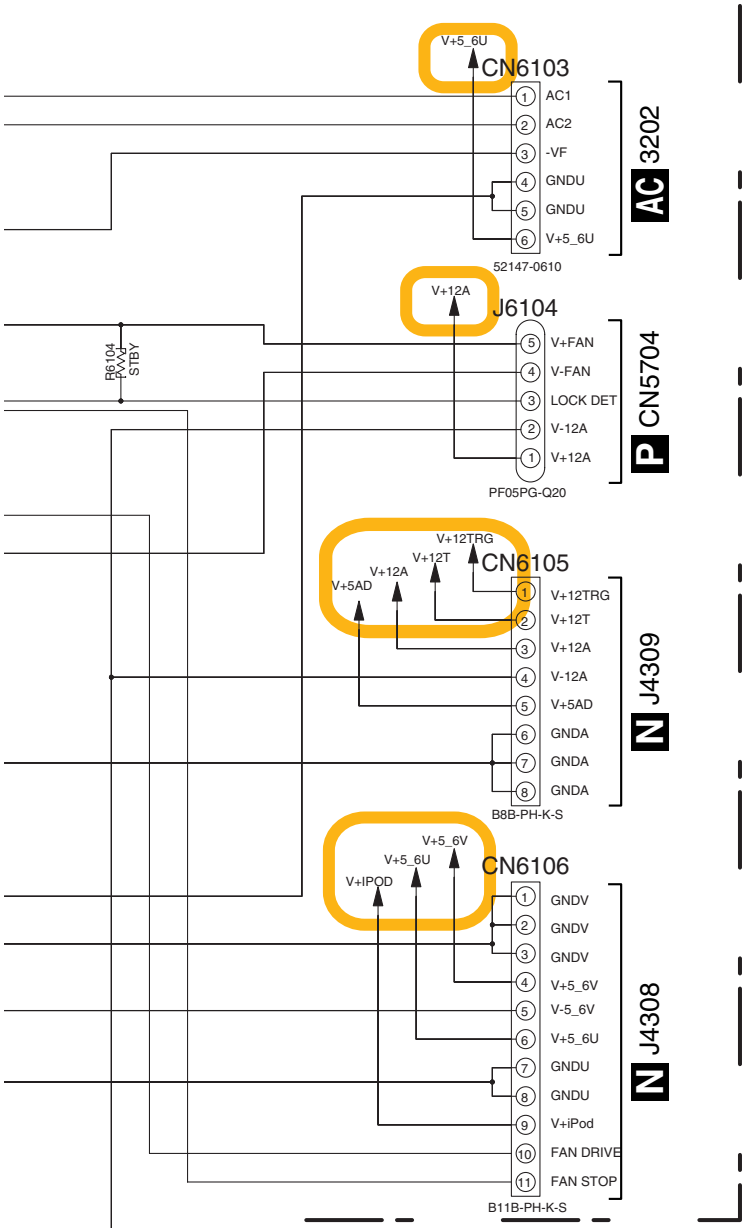
3.27 LOCAL SUPPLY and DC/DC ASSYS



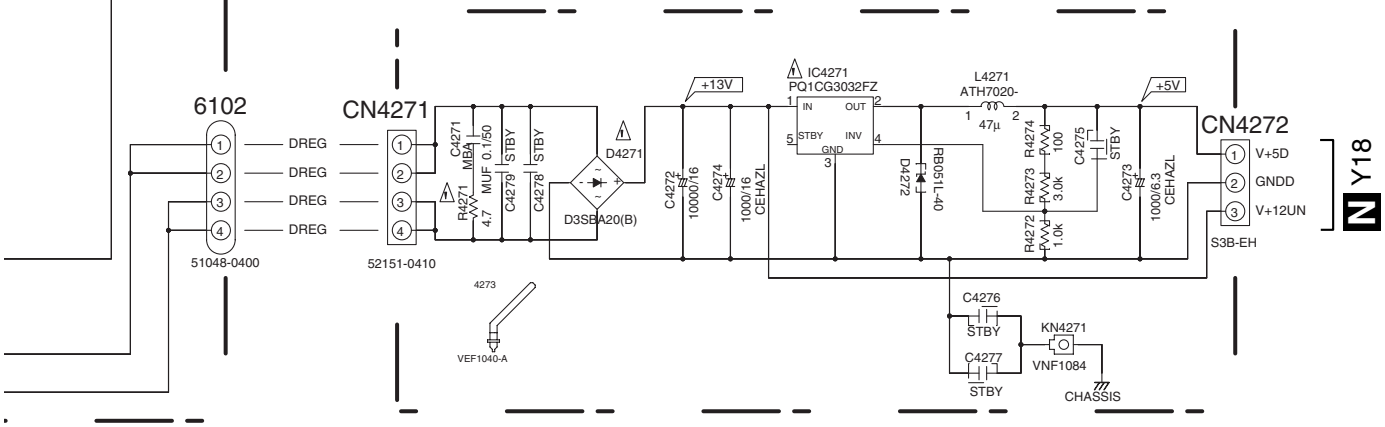
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore,when replacing,be sure to use parts of identical designation.

S LOCAL SUPPLY ASSY (AWX8672)

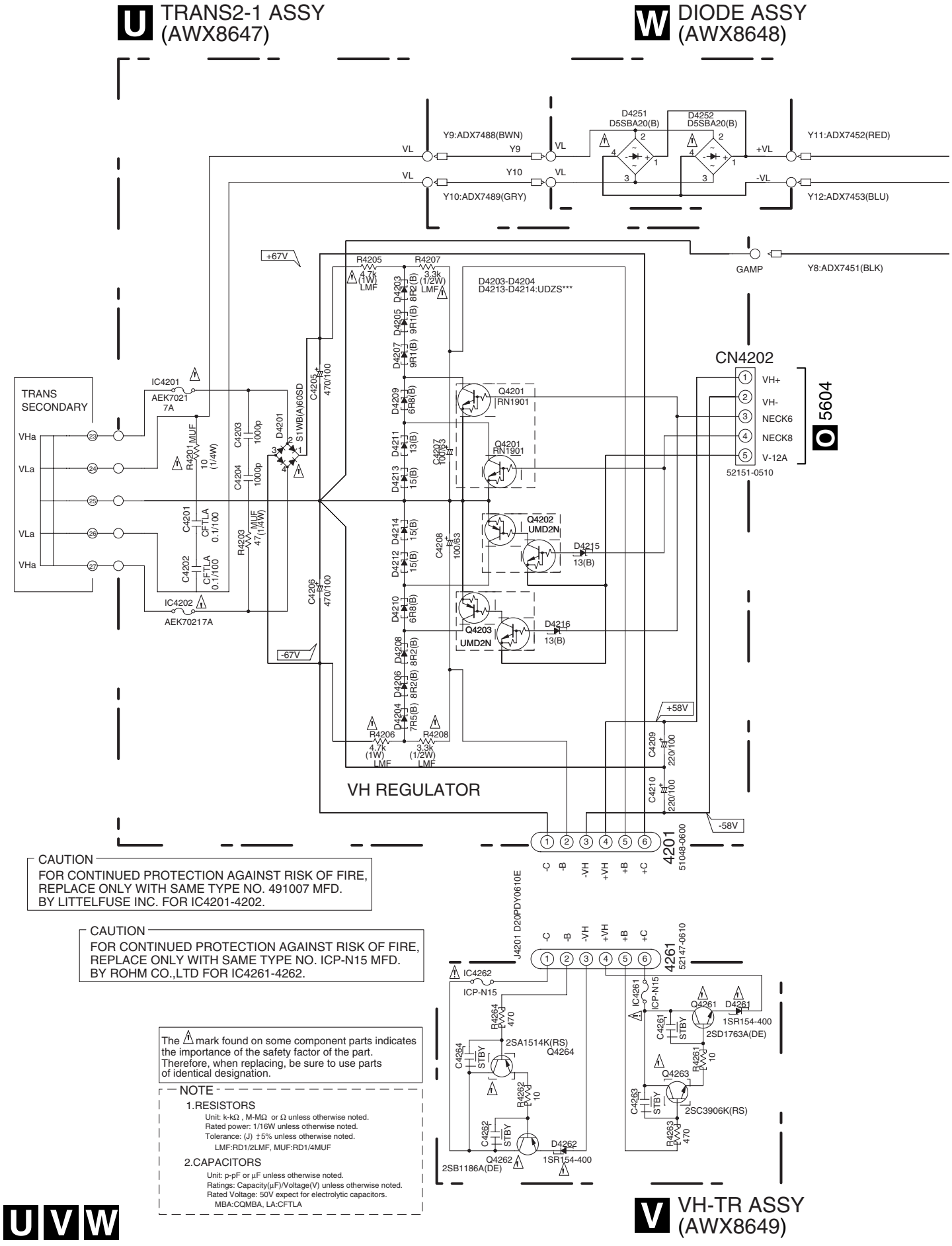
NOTE
1.RESISTORS
Unit: k-kΩ , M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

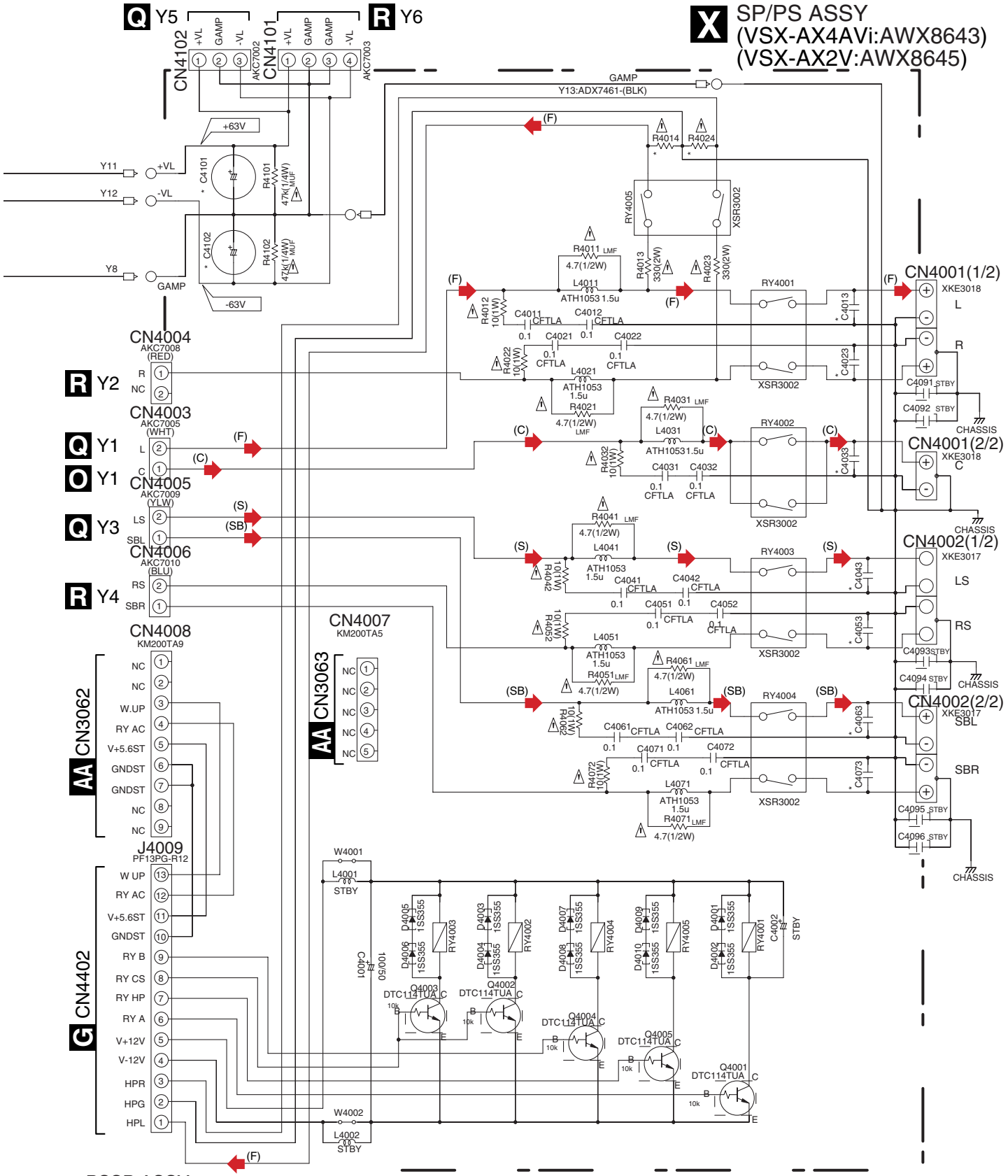


T DC/DC ASSY (AWX8650)



3.28 TRANS2-1, VH-TR, DIODE and SP/PS ASSYS





PSSP ASSY

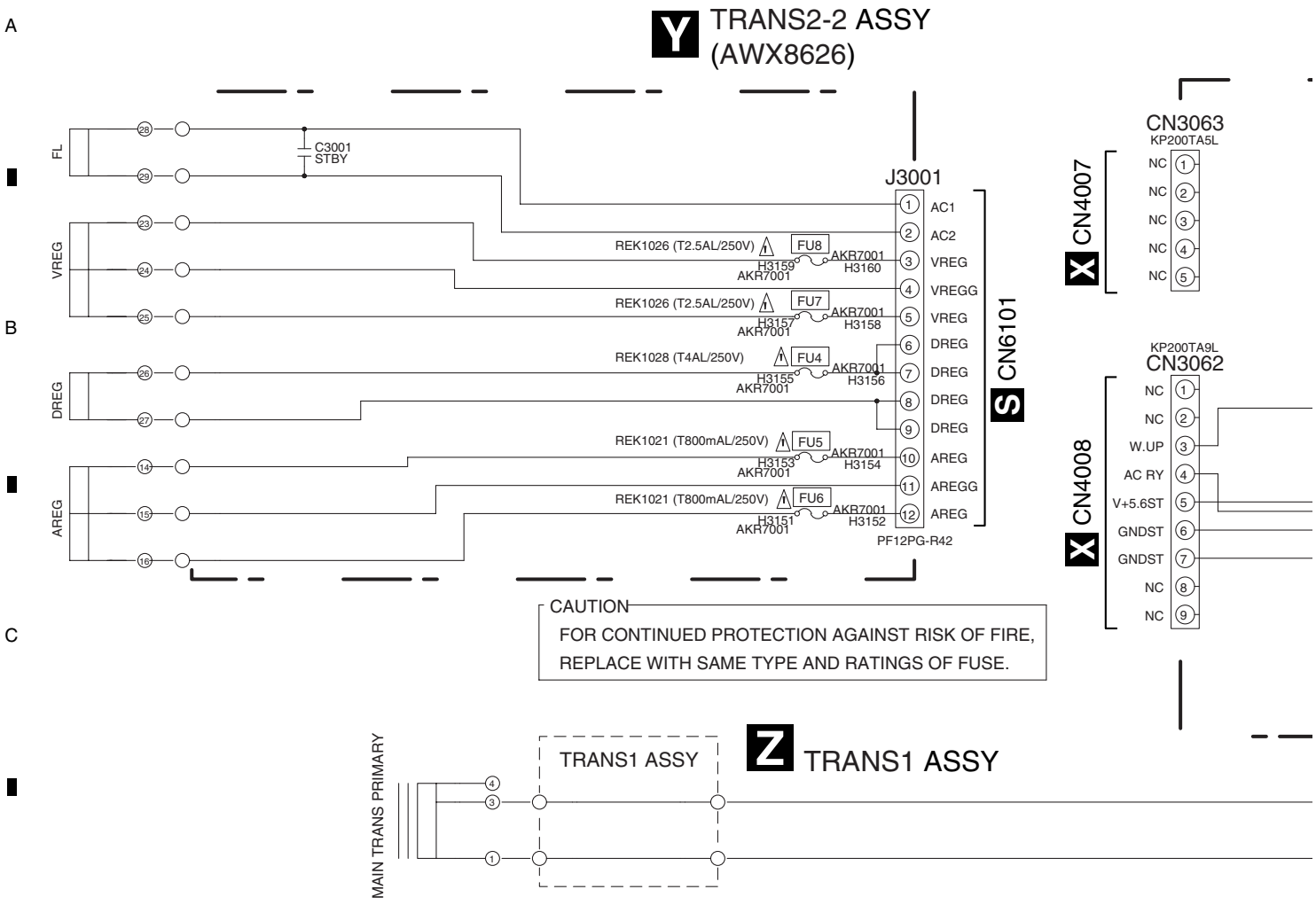
* Mark parts

	AWX8643	AWX8645
CN4001	XKE3018	XKE3018
CN4002	XKE3017	XKE3017
R4014,R4024	STBY	STBY
C4101,C4102	ACH7218 (15000/71)	ACH7255 (10000/71)
C4013,C4023 C4033,C4043 C4053,C4063 C4073	CQMBA 103J50	CQMBA 103J50

(F) : AUDIO SIGNAL ROUTE (F)
(C) : AUDIO SIGNAL ROUTE (C)
(S) : AUDIO SIGNAL ROUTE (S)
(SB) : AUDIO SIGNAL ROUTE (SB)

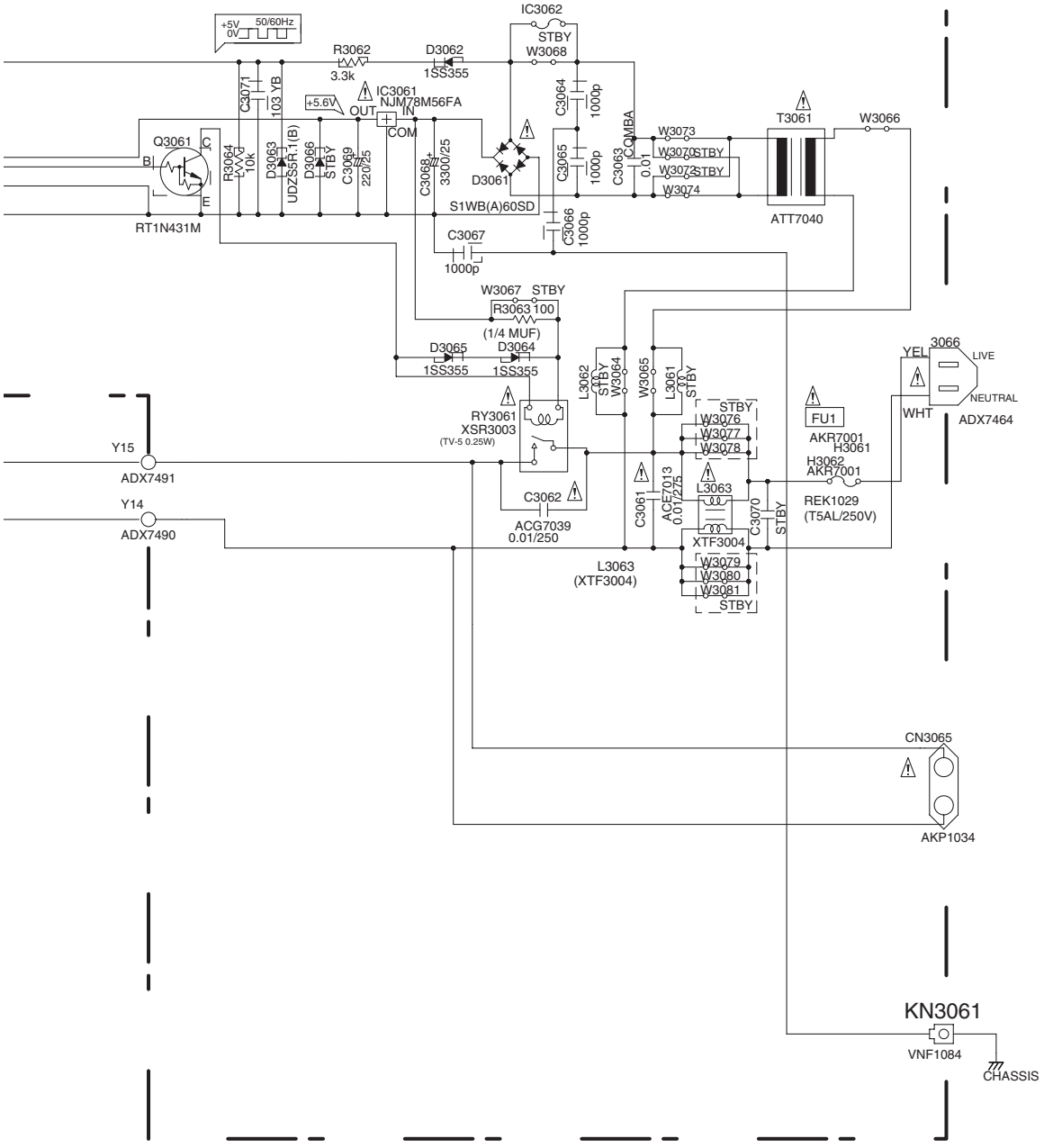
X

3.29 TRANS2-2, TRANS1 and PRIMARY ASSYS



Y Z AA

AA PRIMARY ASSY (AWX8629)

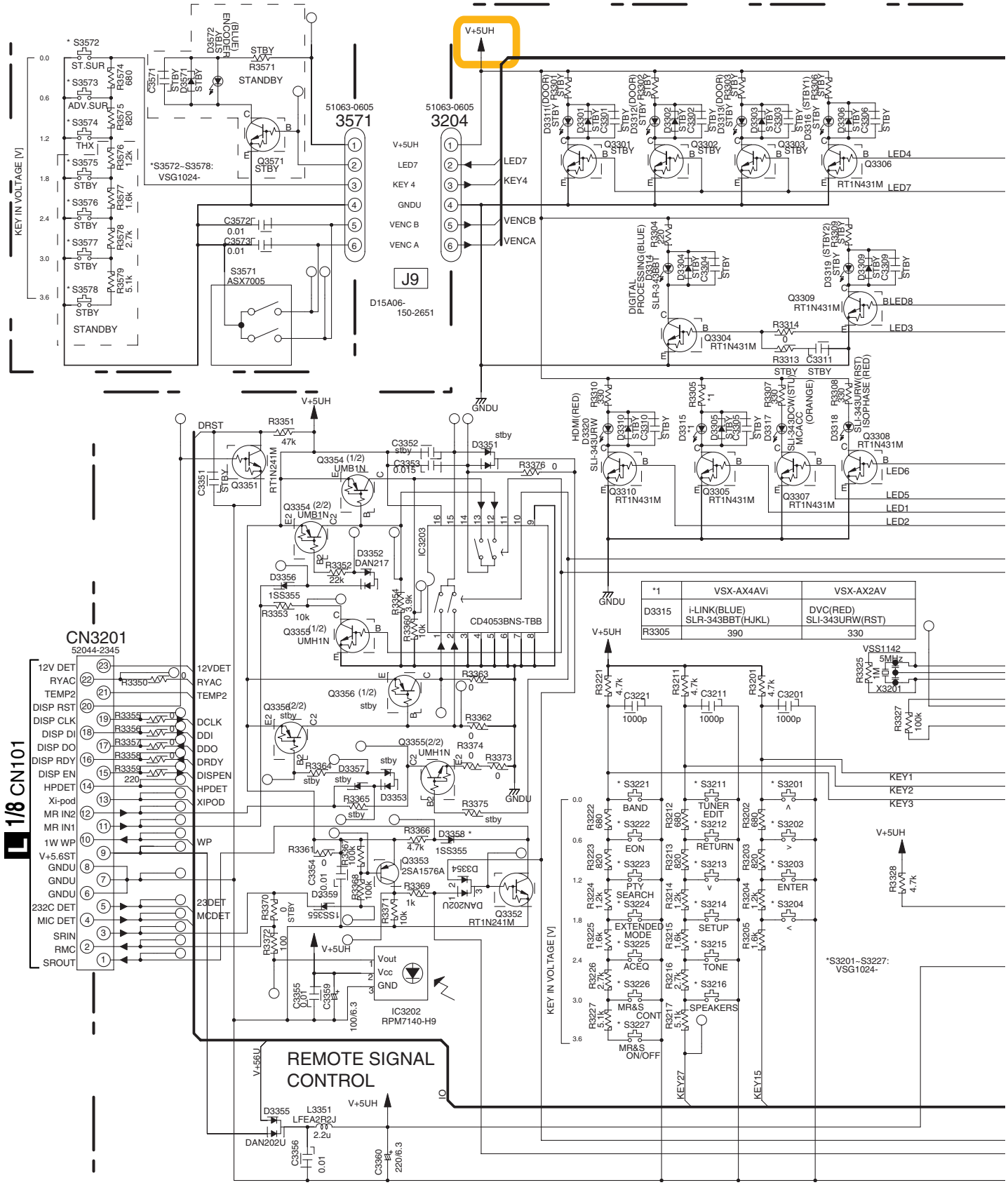


The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore,when replacing,be sure to use parts of identical designation.

3.30 VOLUME, DISPLAY and INPUT SELECT ASSYS

AB VOLUME ASSY(AWX8641)

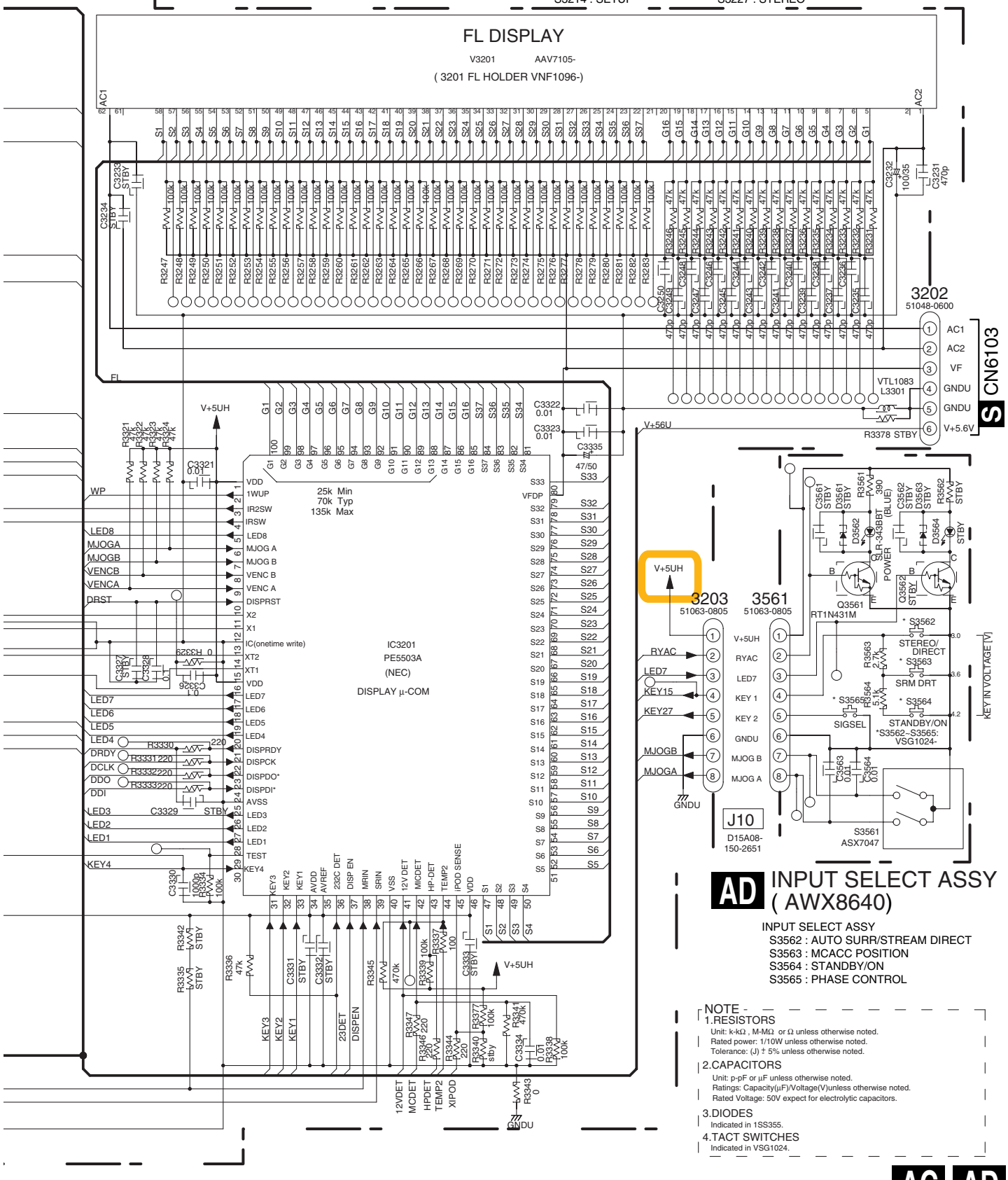
VOLUME ASSY
S3572 : STANDARD SURROUND
S3573 : ADVANCED SURROUND
S3574 : HOME THX



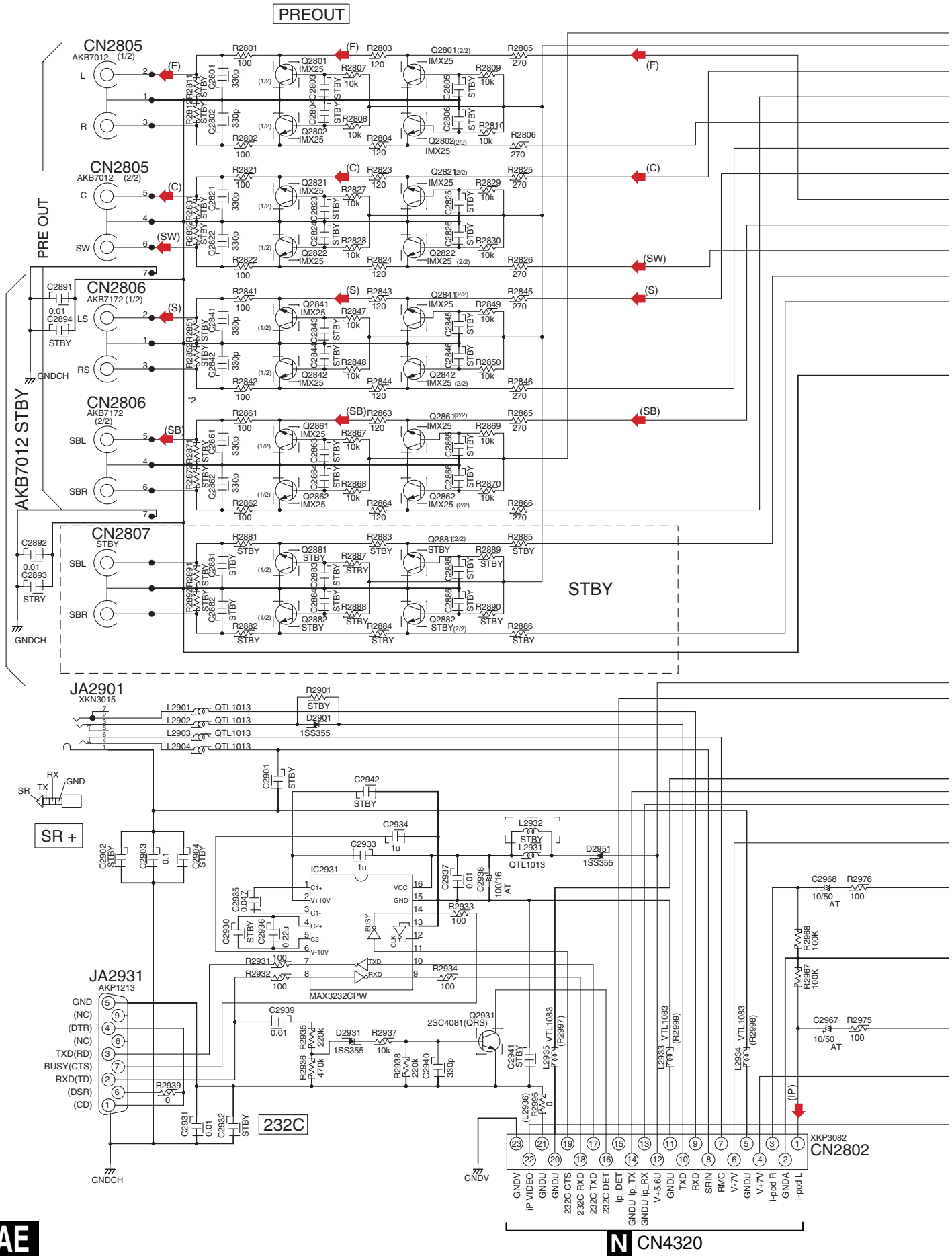
AB AC

AC DISPLAY ASSY (VSX-AX4AVi:AWX8635) (VSX-AX2AV:AWX8636)

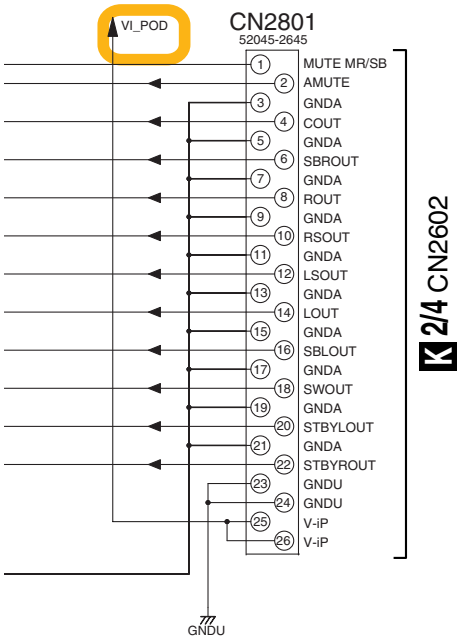
DISPLAY ASSY
- S3201 : ↑(TUNE/ST +/-)
- S3202 : →(TUNE/ST +/-)
- S3203 : ENTER
- S3204 : ←(TUNE/ST +/-)
- S3211 : TUNER EDIT
- S3212 : RETURN
- S3213 : ↓(TUNE/ST +/-)
- S3214 : SETUP
- S3215 : AV PARAMETER
- S3216 : SPEAKERS
- S3221 : BAND
- S3222 : MULTI ROOM & SOURCE/REC SEL CONTROL
- S3223 : MULTI ROOM & SOURCE/REC SEL ON/OFF
- S3224 : VIDEO SELECT
- S3225 : SIGNAL SELECT
- S3226 : SBch PROCESSING
- S3227 : STEREO



3.31 PREOUT & CONTROL ASSY



AE PREOUT & CONTROL ASSY (AWX8689)

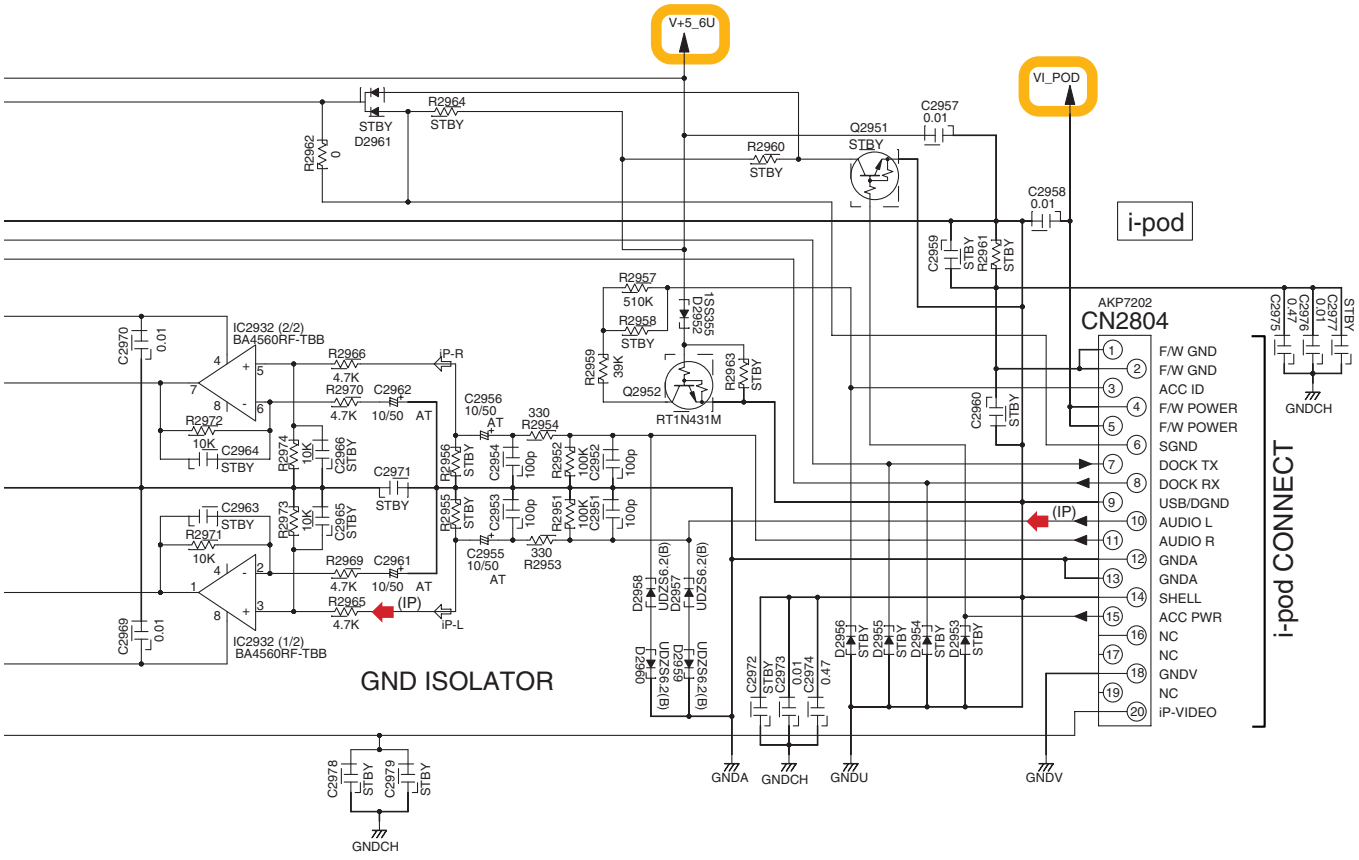


NOTE

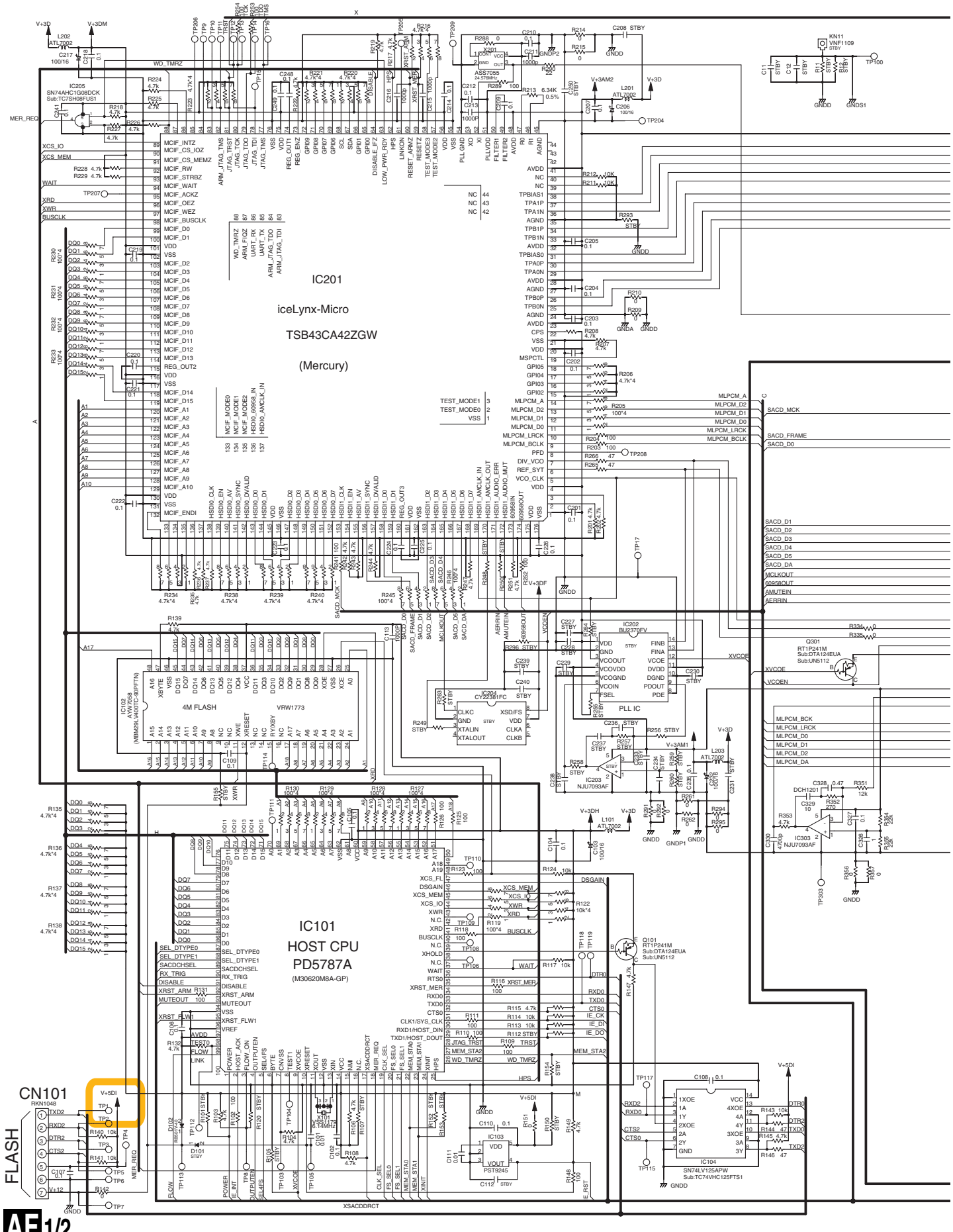
1.RESISTORS
- Unit: k-kΩ , M-MΩ or Ω unless otherwise noted.
- Rated power: 1/16W unless otherwise noted.
- Tolerance: (J)±5% unless otherwise noted.

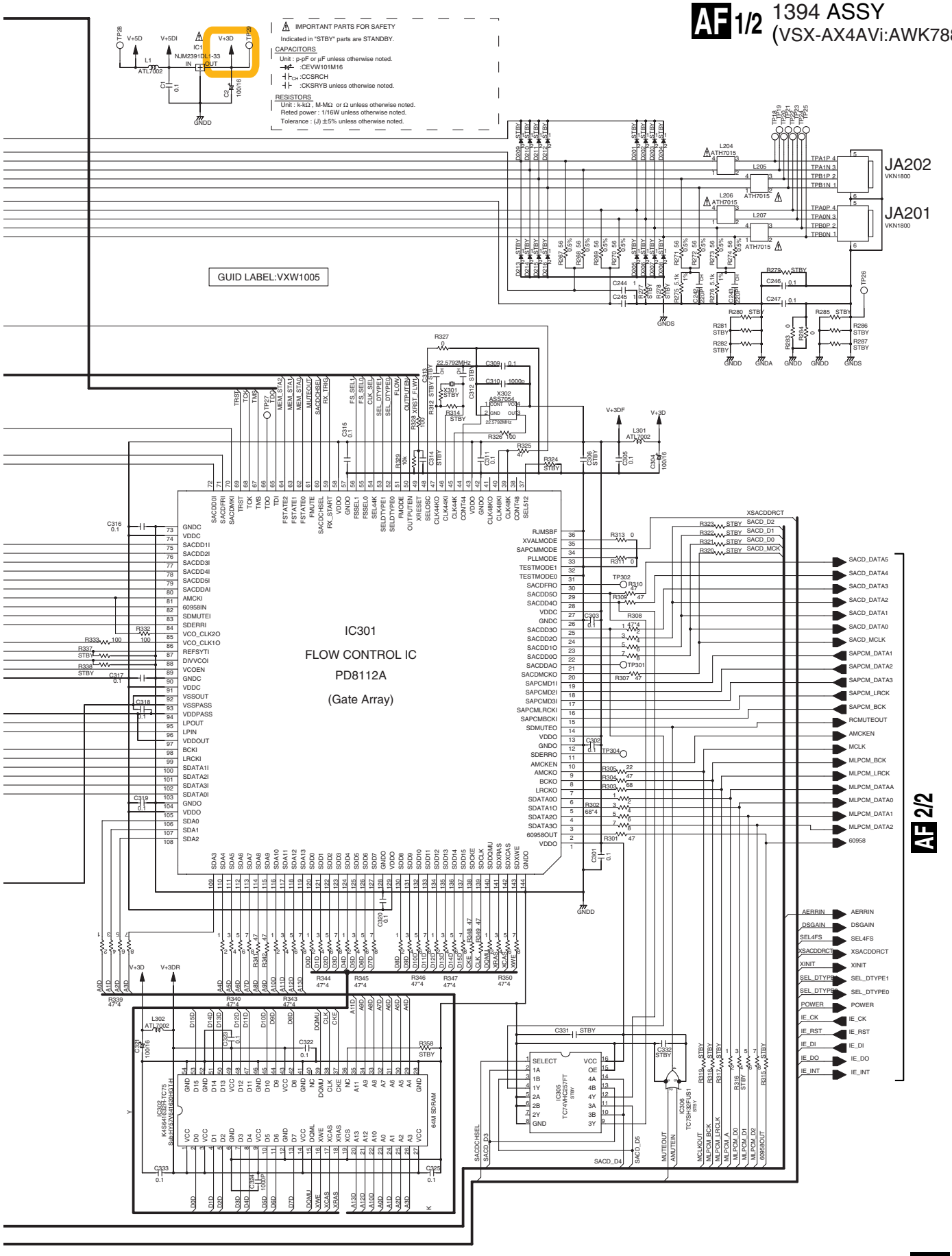
2.CAPACITORS
- Unit: p-pF or µF unless otherwise noted.
- Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
- Rated Voltage: 50V expect for electrolytic capacitors.

(F) : AUDIO SIGNAL ROUTE (F)
(C) : AUDIO SIGNAL ROUTE (C)
(S) : AUDIO SIGNAL ROUTE (S)
(SB) : AUDIO SIGNAL ROUTE (SB)
(SW) : AUDIO SIGNAL ROUTE (SW)
(IP) : AUDIO SIGNAL ROUTE (IP)

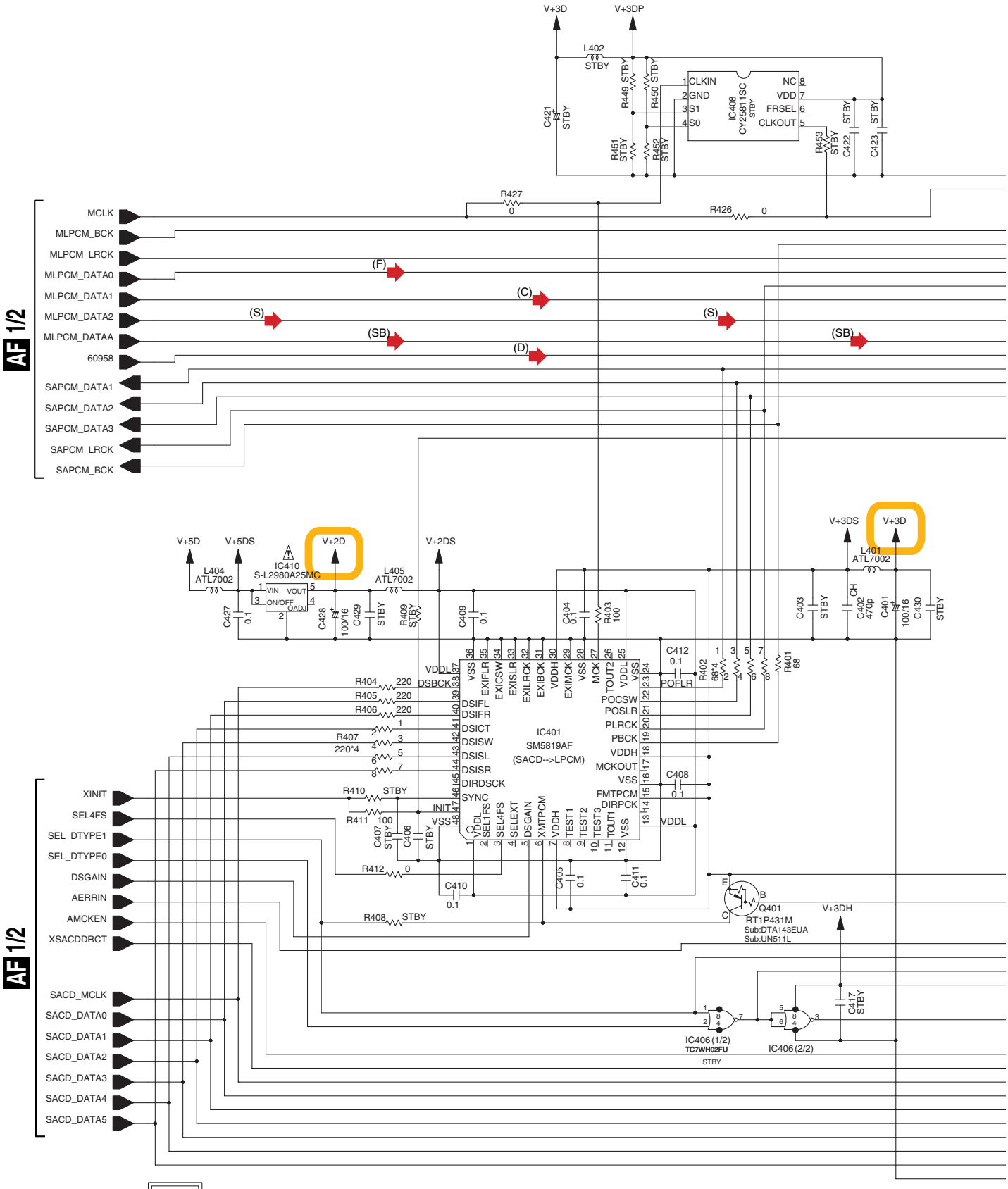


3.32 1394 ASSY (1/2)




IMPORTANT PARTS FOR SAFETY
Indicated in "STBY" parts are STANDBY.
CAPACITORS
Unit : p-pF or µF unless otherwise noted.
:CEVW101M16
:CCSRCH
:CKSRYB unless otherwise noted.
RESISTORS
Unit : k-kΩ , M-MΩ or Ω unless otherwise noted.
Reted power : 1/16W unless otherwise noted.
Tolerance : (J) ±5% unless otherwise noted.
GUID LABEL:VXW1005
JA202
VKN1800
JA201
VKN1800
IC301
FLOW CONTROL IC
PD8112A
(Gate Array)
AF 2/2

3.33 1394 ASSY (2/2)



NOTES

⚠ IMPORTANT PARTS FOR SAFETY
Indicated in "STBY" parts are STANDBY.

CAPACITORS
Unit : p-pF or µF unless otherwise noted.
Ratings : Capacity(µF)/Voltage(V)
Rated Voltage : 50V except for electrolytic capacitors. unless otherwise noted.

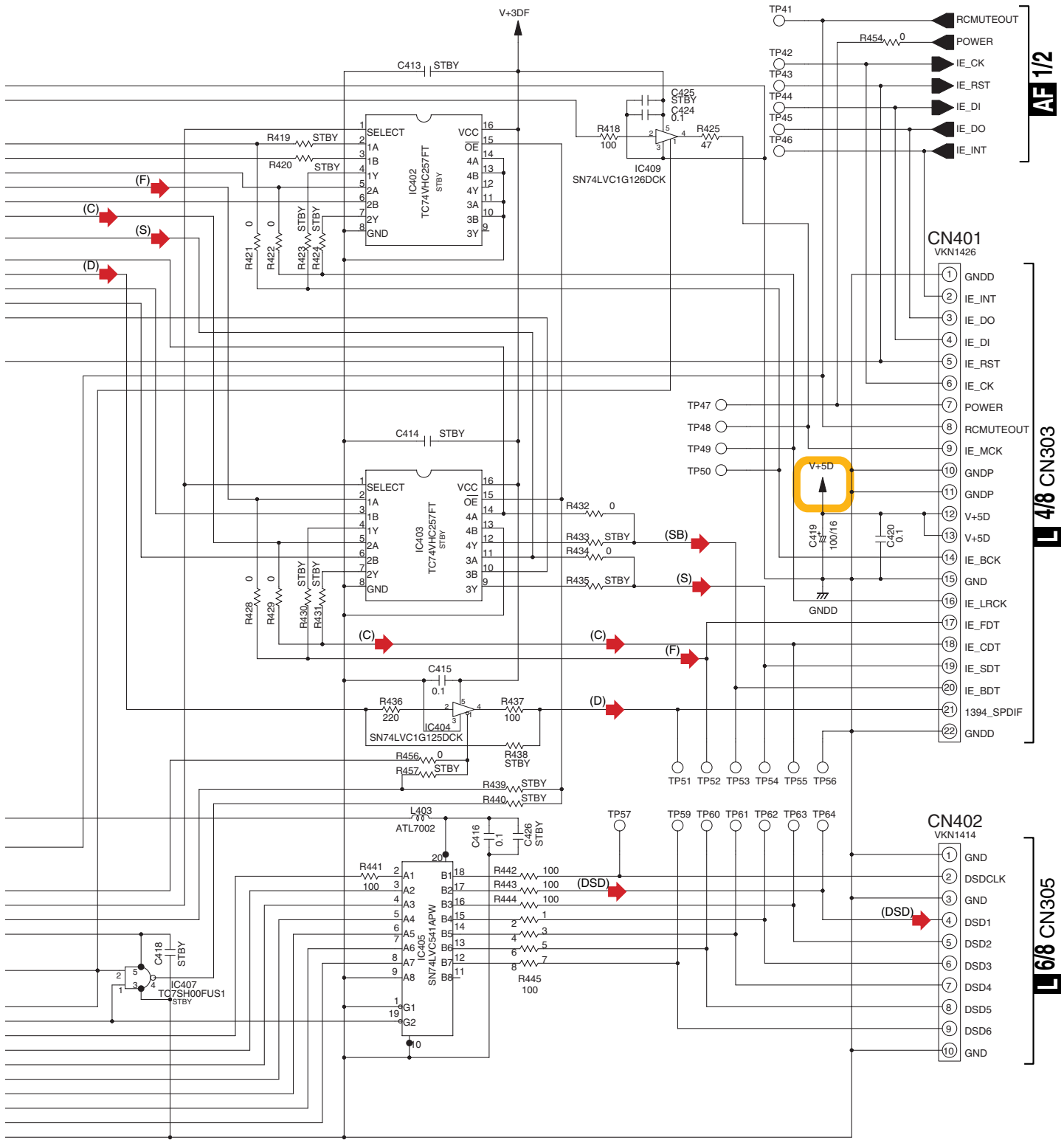
:CEVW101M16

:CKSRYB unless otherwise noted

RESISTORS
Unit : k-kΩ ,M-MΩ or Ω unless otherwise noted.
Rated power : 1/16W unless otherwise noted.
Tolerance : (J)±5% unless otherwise noted.

AF 2/2

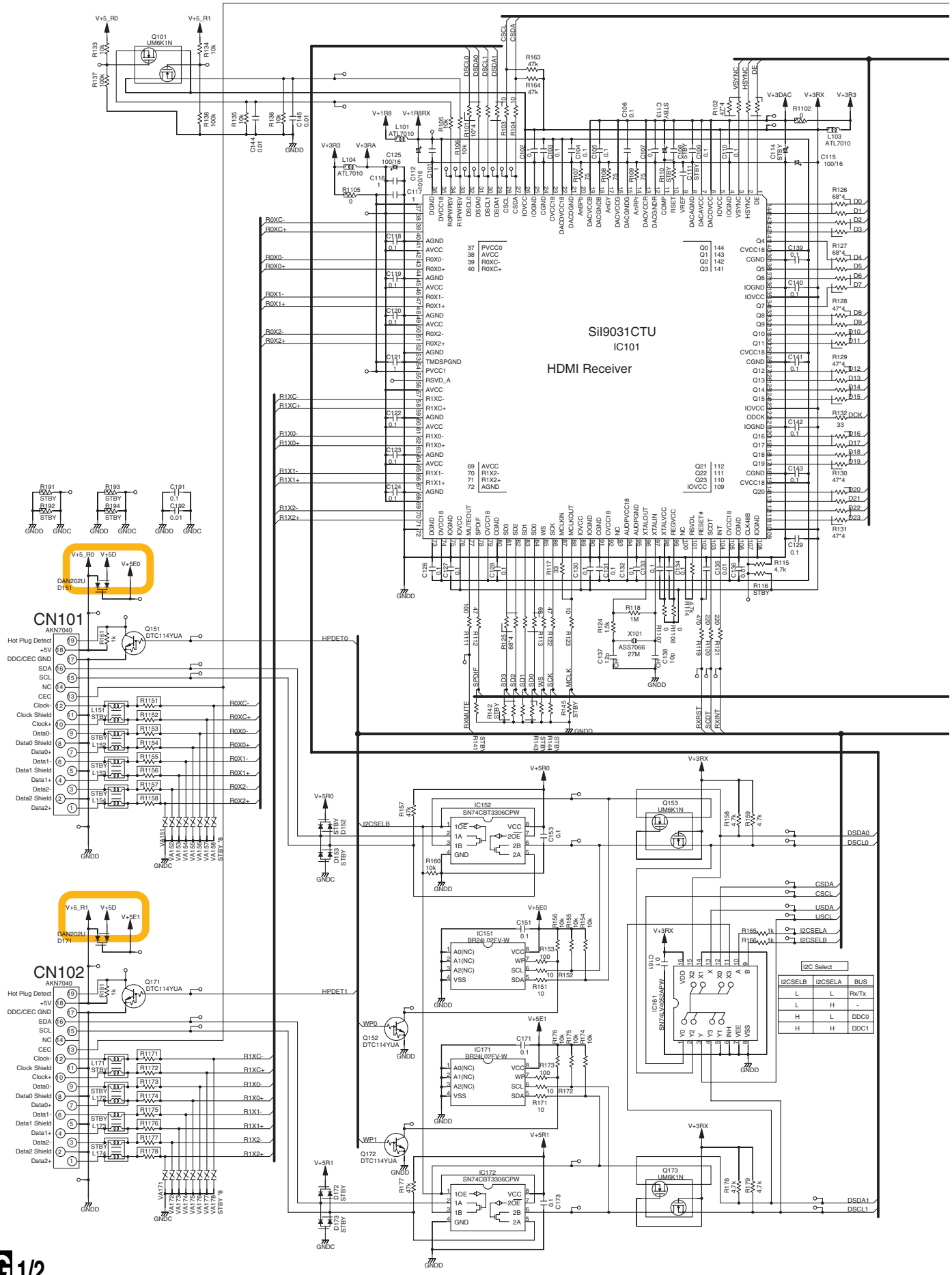
AF 2/2 1394 ASSY (VSX-AX4AVi:AWK7882)



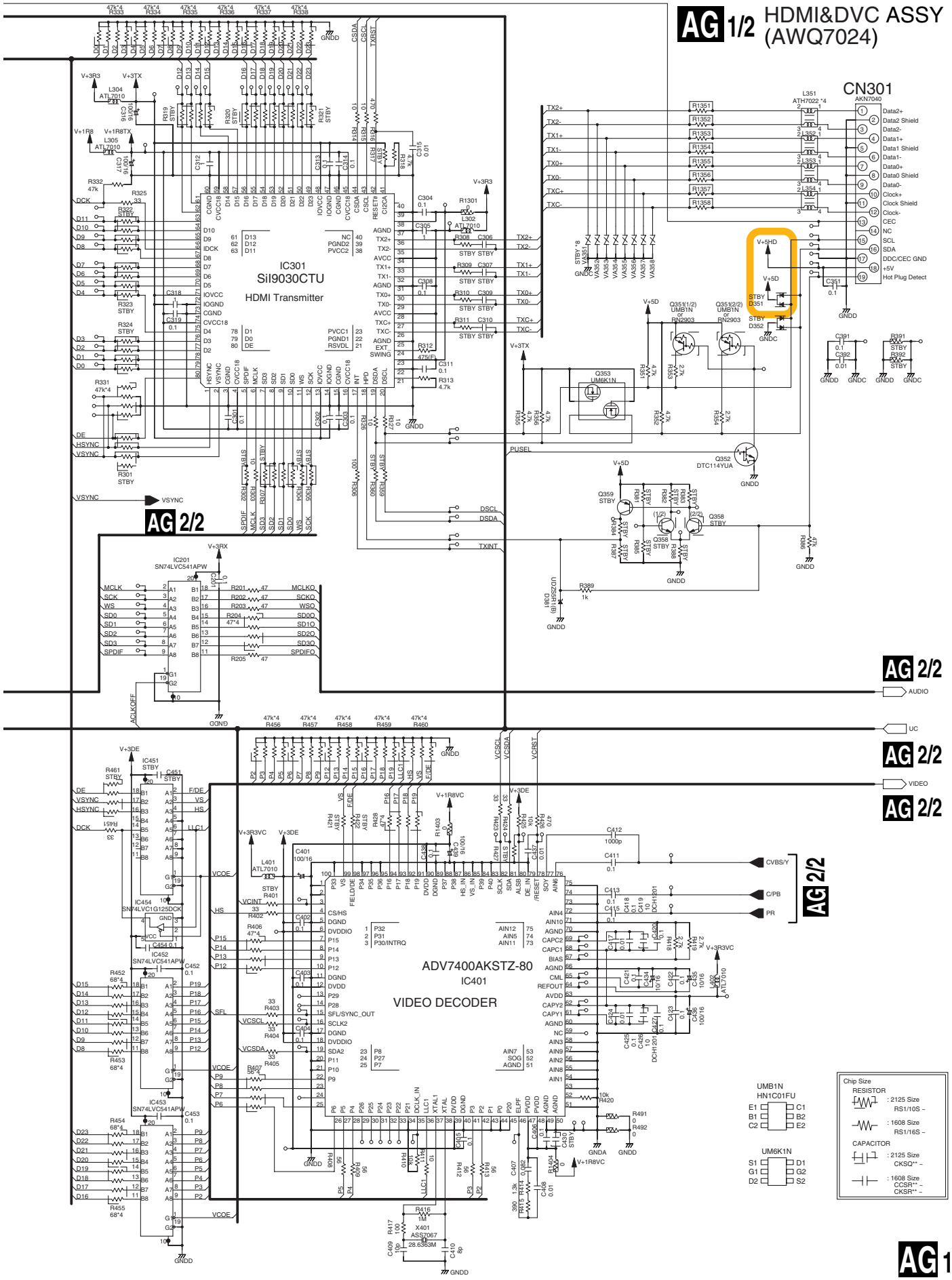
(F): AUDIO SIGNAL ROUTE(F)
(C): AUDIO SIGNAL ROUTE(C)
(S): AUDIO SIGNAL ROUTE(S)
(SB): AUDIO SIGNAL ROUTE(SB)
(D): AUDIO SIGNAL ROUTE(SPDIF)
(DSD): AUDIO SIGNAL ROUTE(DSD)

AF 2/2

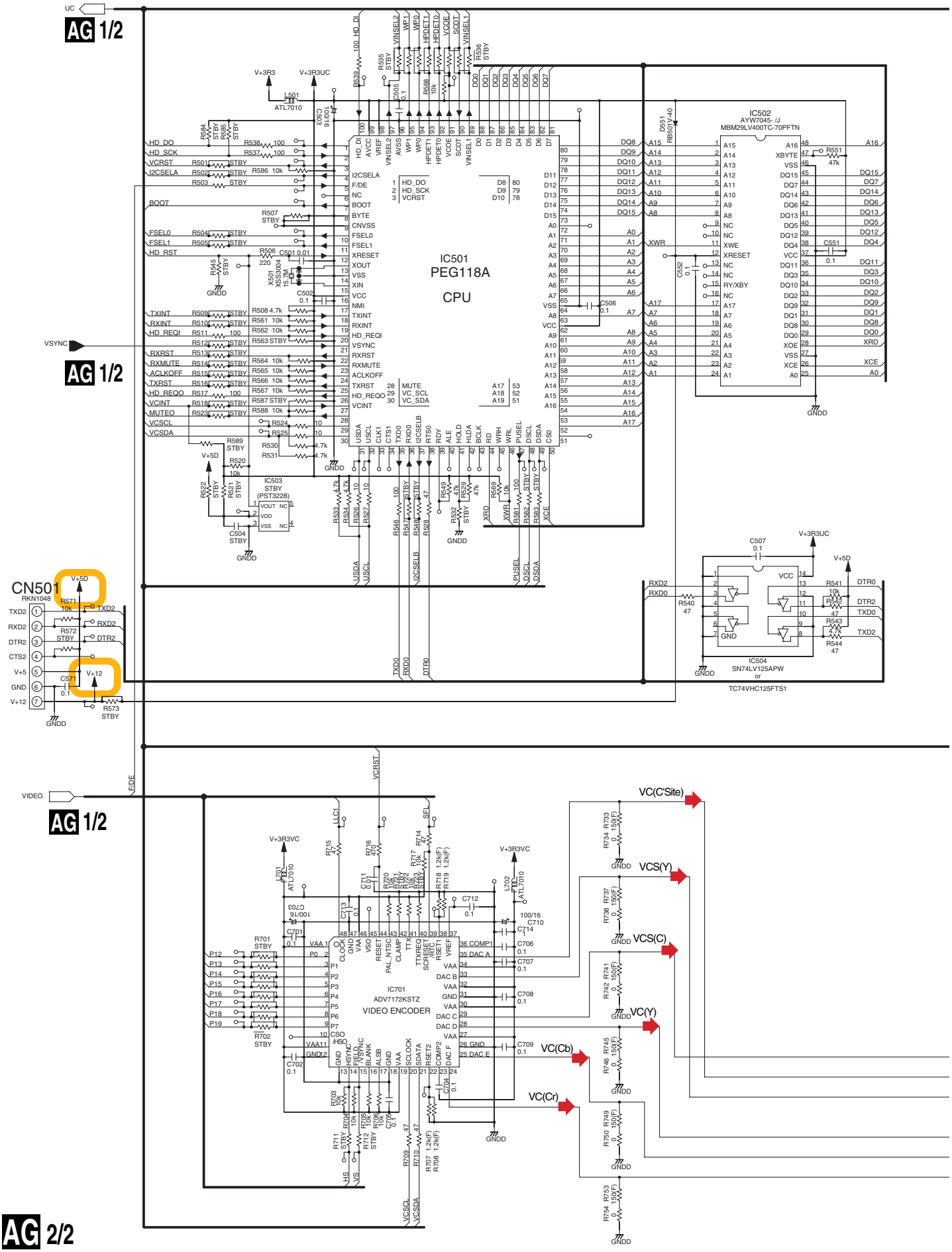
3.34 HDMI&DVC ASSY (1/2)



AG 1/2


IC301
Sil9030CTU
HDMI Transmitter
CN301
AKN7040
IC401
ADV7400AKSTZ-80
VIDEO DECODER
IC201
SN74LVC541APW
IC451
IC452
IC453
IC454
SN74LVC1G125DCK
AG 2/2
AUDIO
UC
VIDEO
CVBS/Y
C/PB
PR
UMB1N
HN1C01FU
UM6K1N
Chip Size
RESISTOR
: 2125 Size
RS1/10S –
: 1608 Size
RS1/16S –
CAPACITOR
: 2125 Size
CKSQ** –
: 1608 Size
CCSR** –
CKSR** –

3.35 HDMI&DVC ASSY (2/2)



AG 2/2 HDMI&DVC ASSY (AWQ7024)

(F) : AUDIO SIGNAL ROUTE(F)
(C) : AUDIO SIGNAL ROUTE(C)
(S) : AUDIO SIGNAL ROUTE(S)
(SB) : AUDIO SIGNAL ROUTE(SB)
(D) : AUDIO SIGNAL ROUTE(SPDIF)

(C'Site) : VIDEO SIGNAL ROUTE (C'Site)
VC(C'Site) : VIDEO SIGNAL ROUTE VC(C'Site)
S(Y) : VIDEO SIGNAL ROUTE S(Y)
S(C) : AUDIO SIGNAL ROUTE S(C)
VCS(Y) : AUDIO SIGNAL ROUTE VCS(Y)
VCS(C) : AUDIO SIGNAL ROUTE VCS(C)

C(Y) : AUDIO SIGNAL ROUTE C(Y)
C(Cb) : AUDIO SIGNAL ROUTE C(Cb)
C(Cr) : AUDIO SIGNAL ROUTE C(Cr)
VC(Y) : AUDIO SIGNAL ROUTE VC(Y)
VC(Cb) : AUDIO SIGNAL ROUTE VC(Cb)
VC(Cr) : AUDIO SIGNAL ROUTE VC(Cr)

AG 1/2

AG 1/2

AG 2/2

CN1001 CKS4668 — FRONT SIDE / REAR SIDE — CN4311

CN1002 CKS4668 — FRONT SIDE / REAR SIDE — CN4310

IC901 BD7802FP
IC902 NJM2885DL1-18
IC903 BD7802FP
IC904 MM1561JF
IC911 PQ200WNA1ZPH
IC601 FMS6403MTC
IC602 MM1503XN
IC801 MM1623BF

Q591 STBY
Q912 DTC124EUA
Q913 DTC114YUA
Q911 2SA1576A(RS)-T

D901 (1SR154-400)
D902 (1SR154-400)
D903 (1SR154-400)
D912 (1SR154-400)
D911 (1SR154-400)

Filter Select

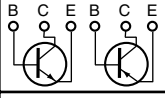
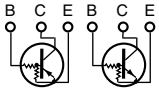
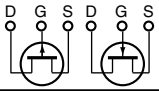
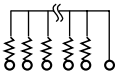
FSEL1	FSEL0	fc(Hz)
L	L	8.2M
L	H	15M
H	L	32M
H	H	Bypass

Chip Size
RESISTOR
: 2125 Size RS1/10S~
: 1608 Size RS1/16S~
CAPACITOR
: 2125 Size CKSQ**~
: 1608 Size CCSR**~ CKSR**~

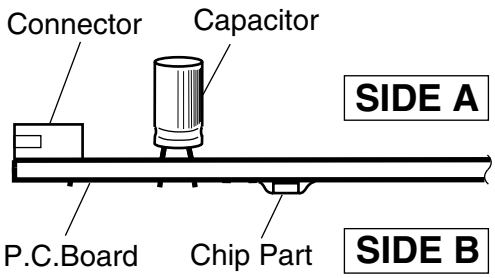
4. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

3. The parts mounted on this PCB include all necessary parts for several destinations.
   For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.

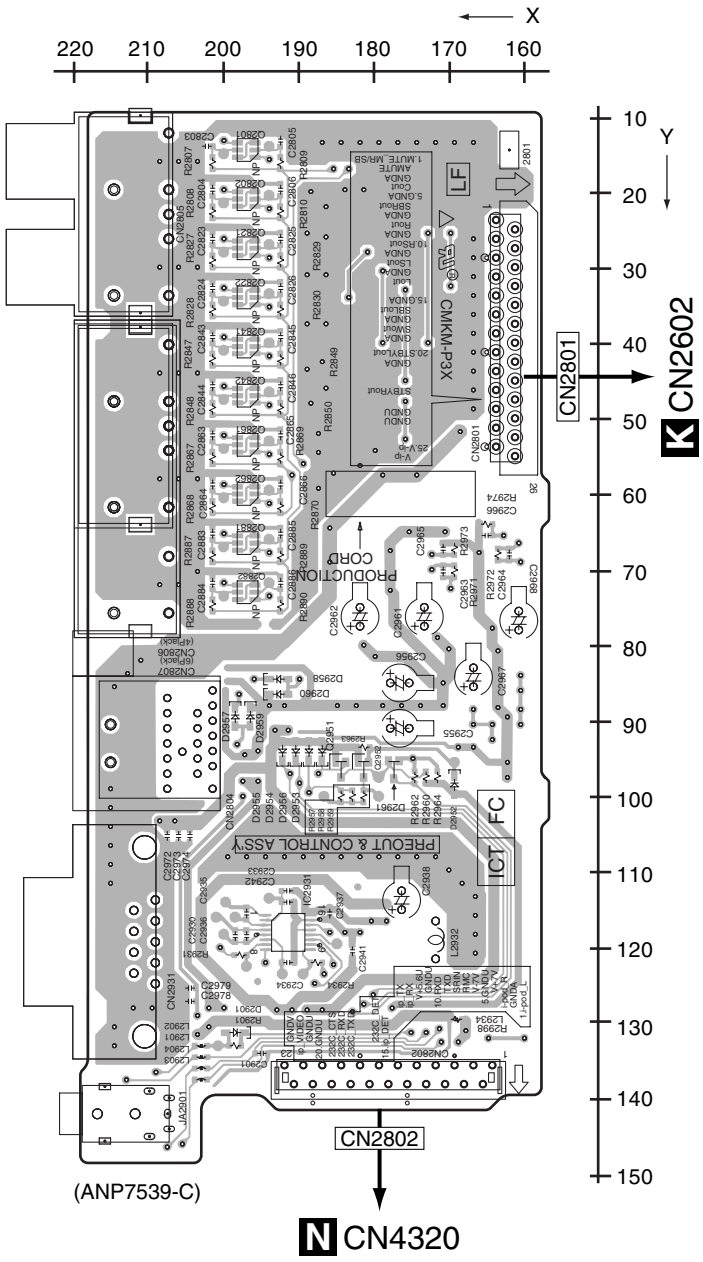


4.1 PRIOUT&CONTROL ASSY

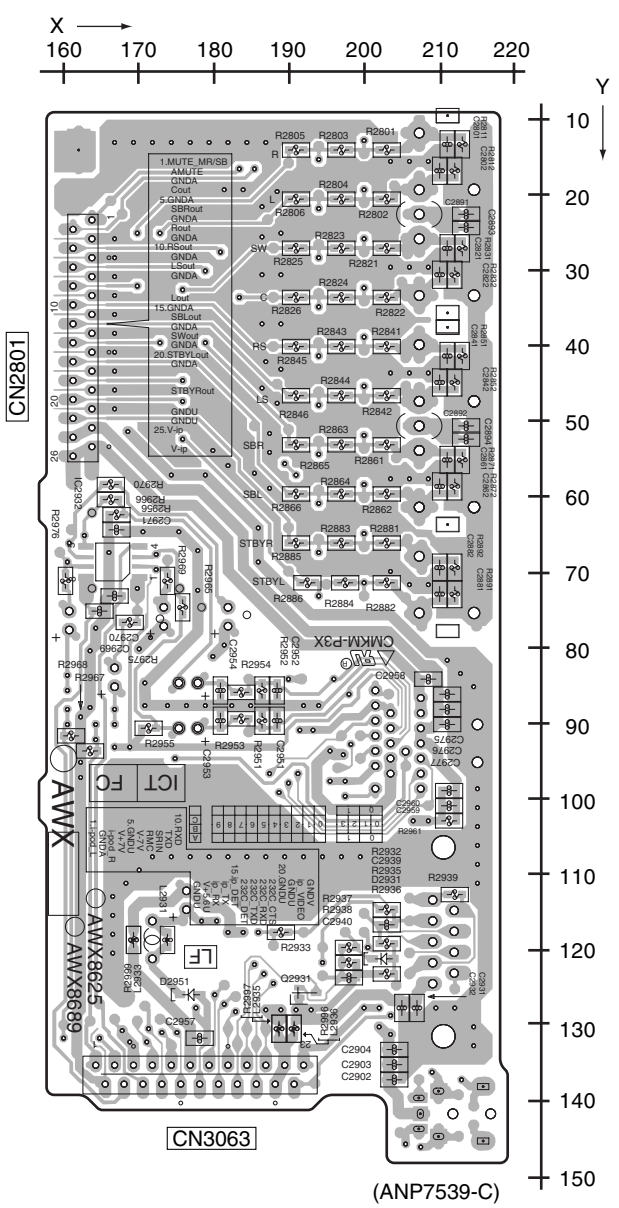
SIDE A

SIDE B

AE PRIOUT&CONTROL ASSY



AE PRIOUT&CONTROL ASSY

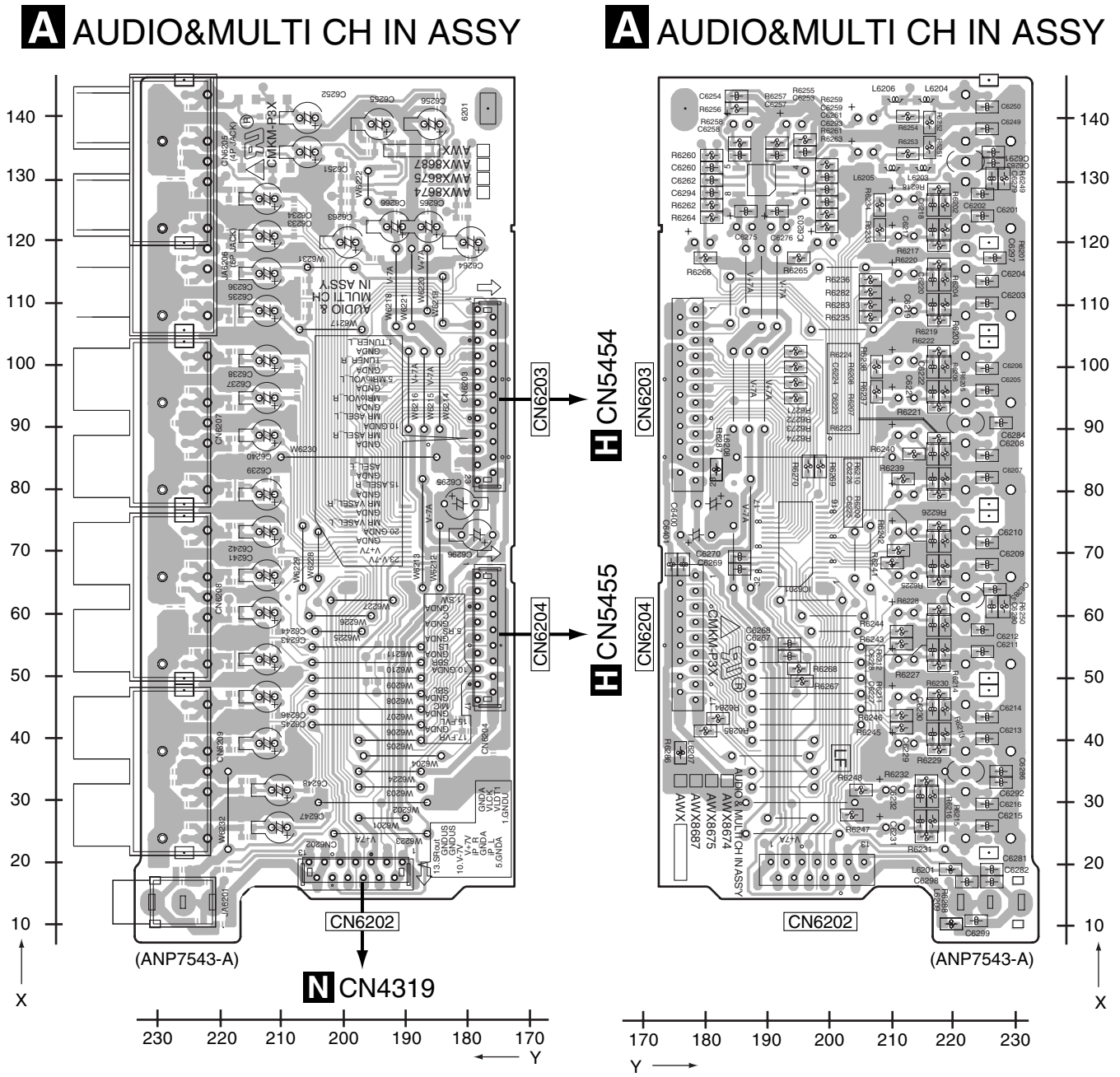


AE **AE**

4.2 AUDIO&MULTI CH IN ASSY

SIDE A

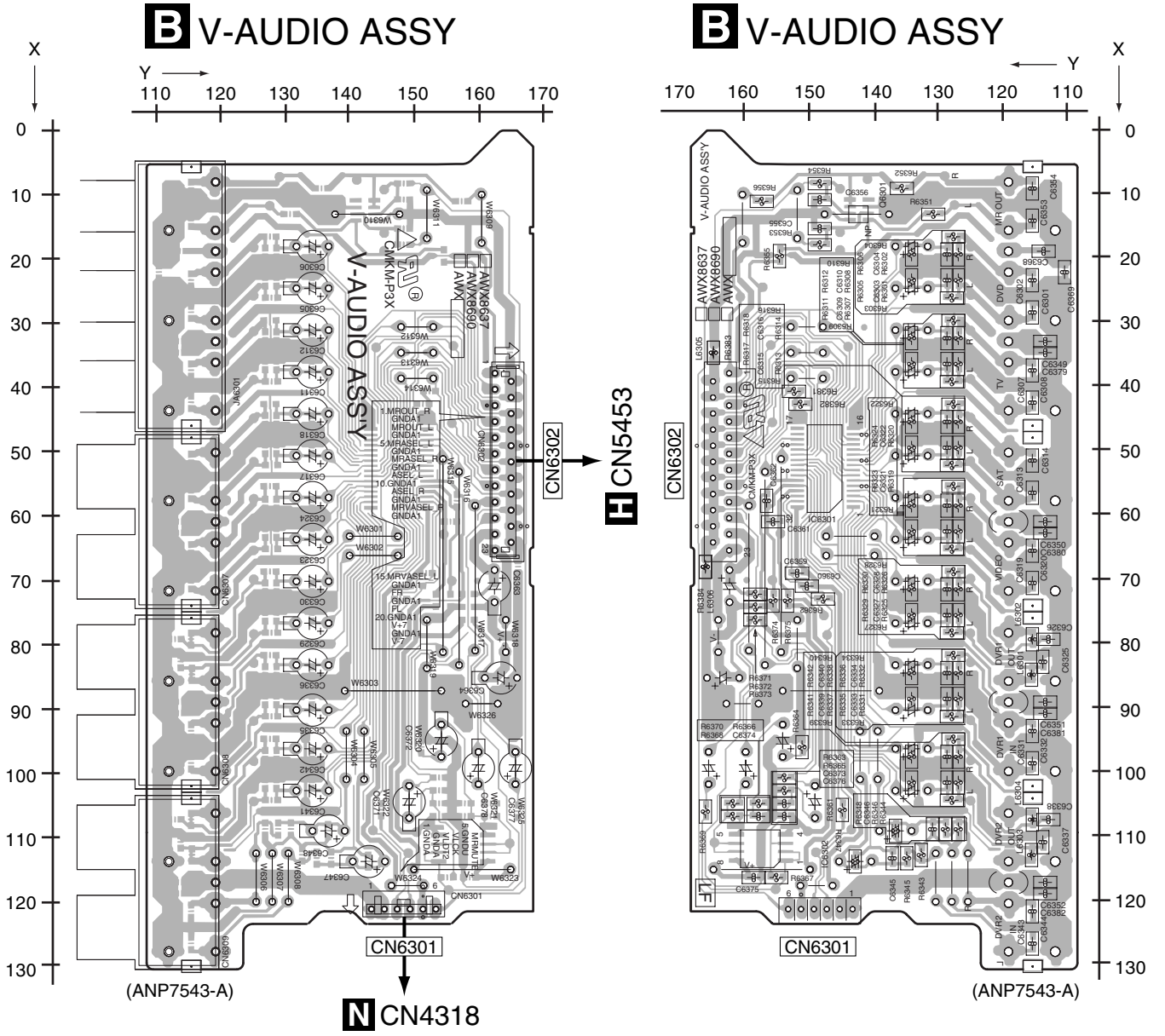
SIDE B



4.3 V-AUDIO ASSY

SIDE A

SIDE B

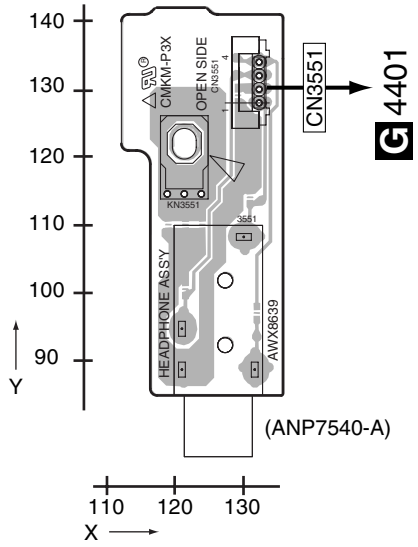


4.4 HEAD PHONE and FRONT-IN ASSYS

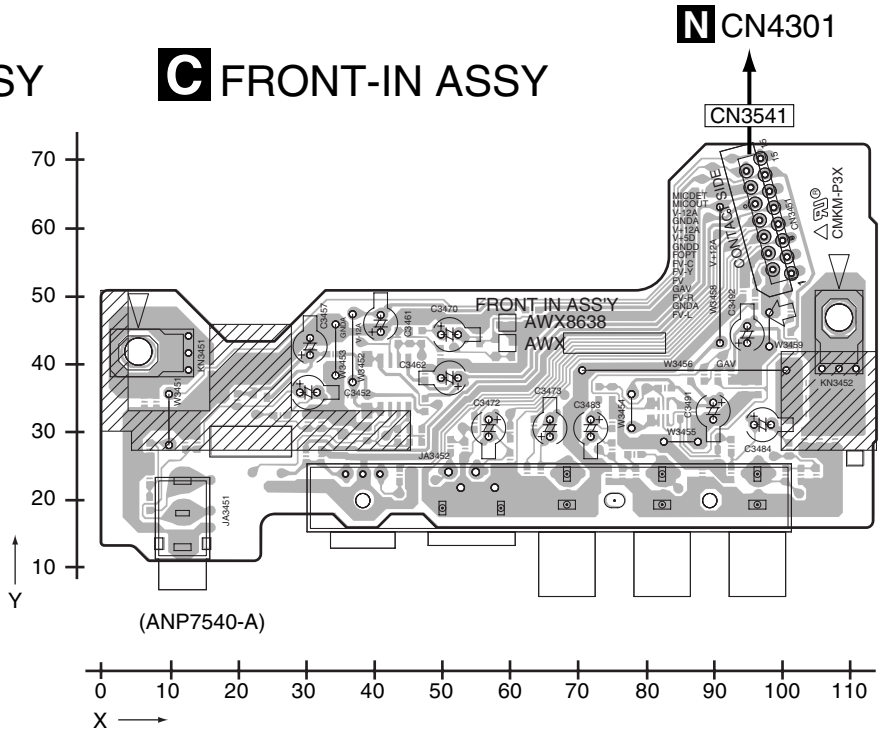
SIDE A

SIDE A

D HEAD PHONE ASSY



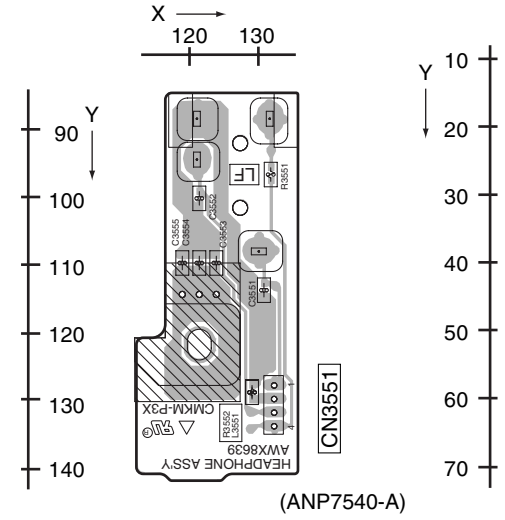
C FRONT-IN ASSY



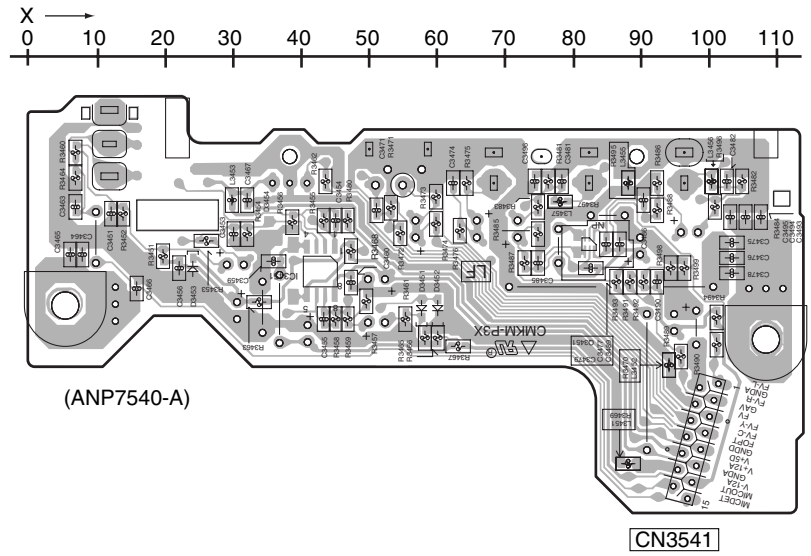
SIDE B

SIDE B

D HEAD PHONE ASSY



C FRONT-IN ASSY



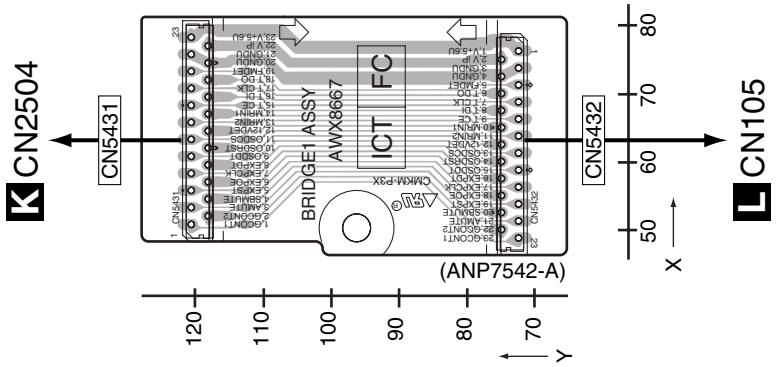
C **D**

C **D**

4.5 BRIDGE1 and BRIDGE2 ASSYS

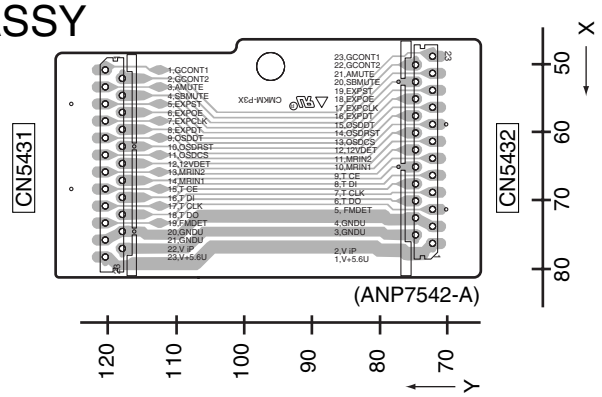
SIDE A

E BRIDGE1 ASSY



SIDE B

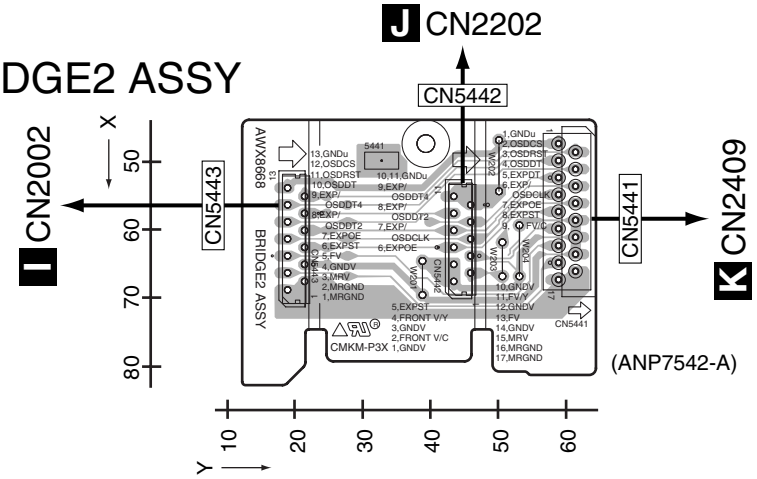
E BRIDGE1 ASSY



SIDE A

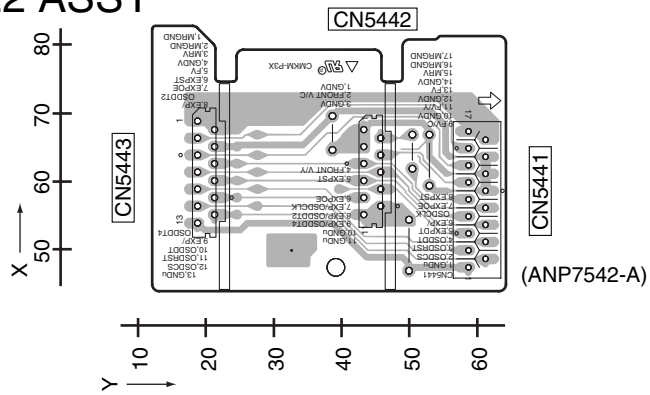
J CN2202

E BRIDGE2 ASSY



SIDE B

E BRIDGE2 ASSY

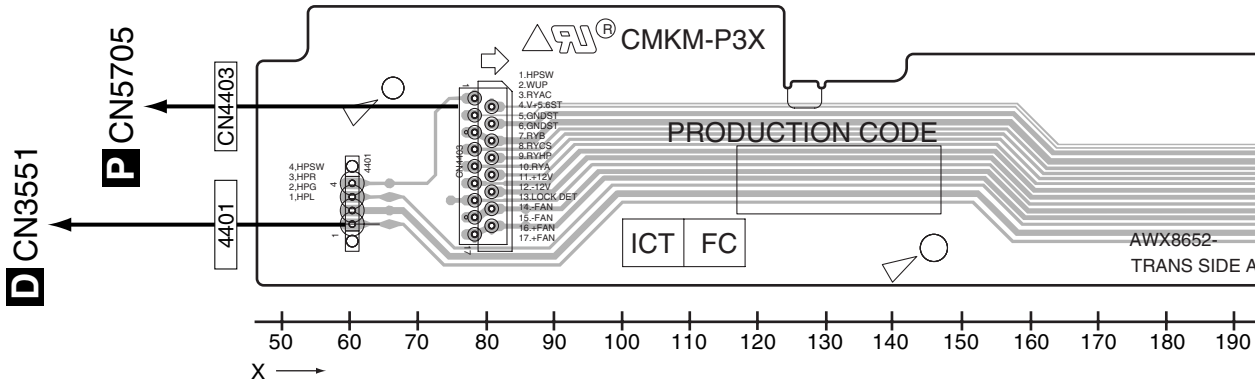


E **F**

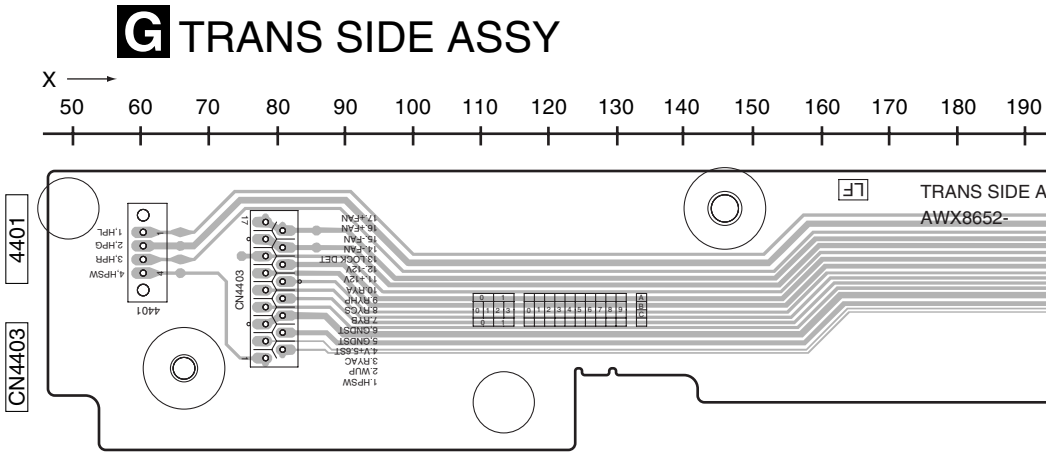
E **F**

4.6 TRANS SIDE and BRIDGE3 ASSYs

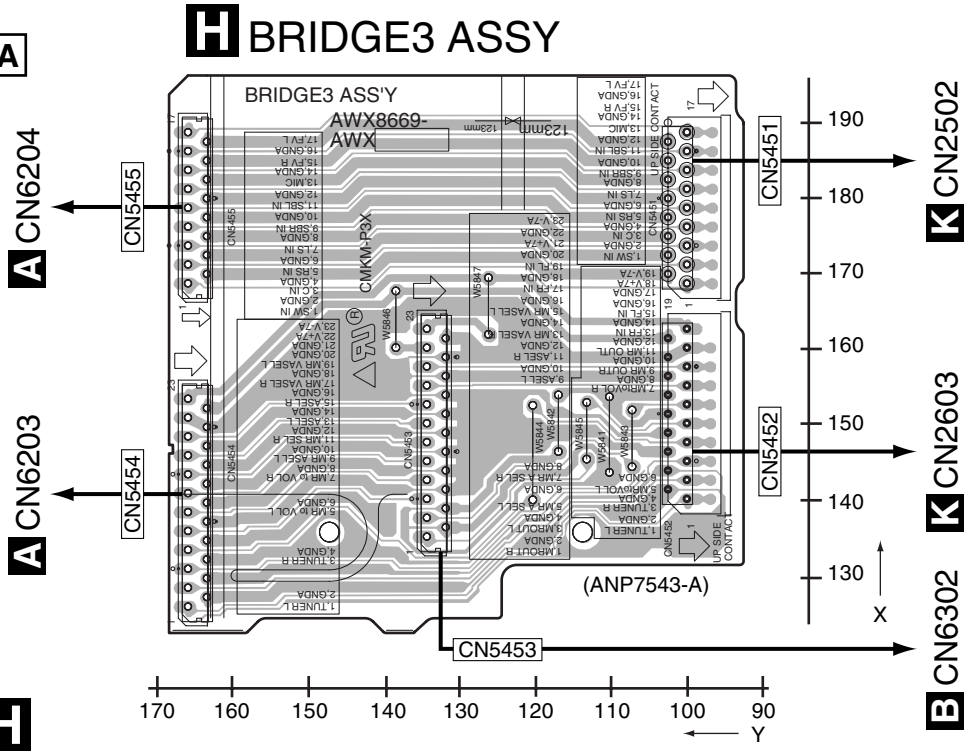
SIDE A



SIDE B

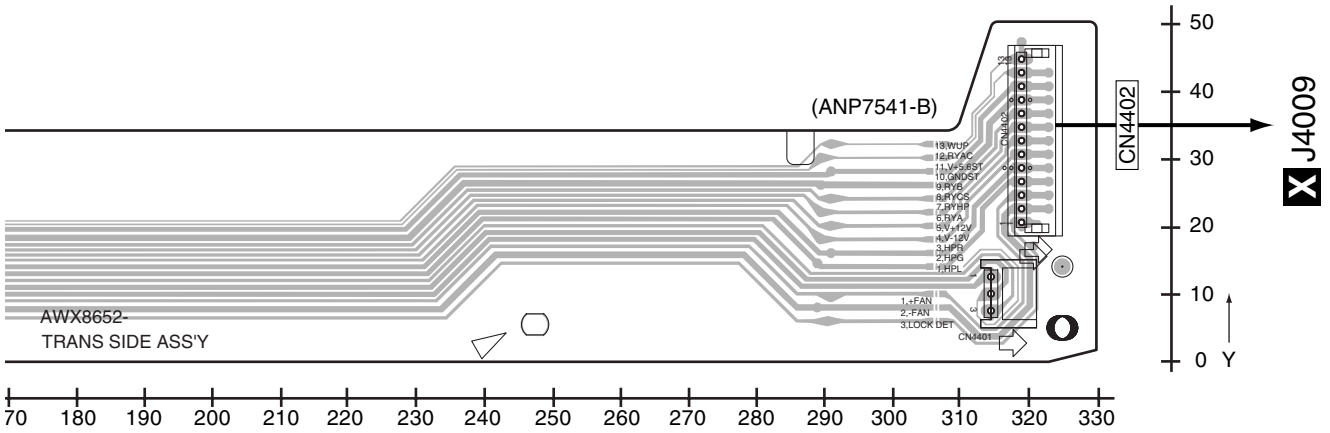


SIDE A

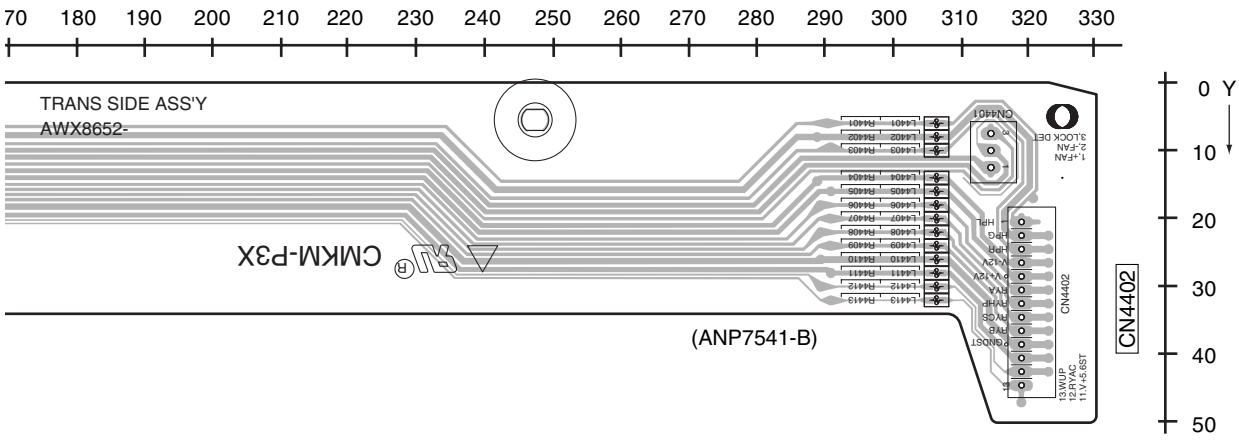


G H

SIDE A

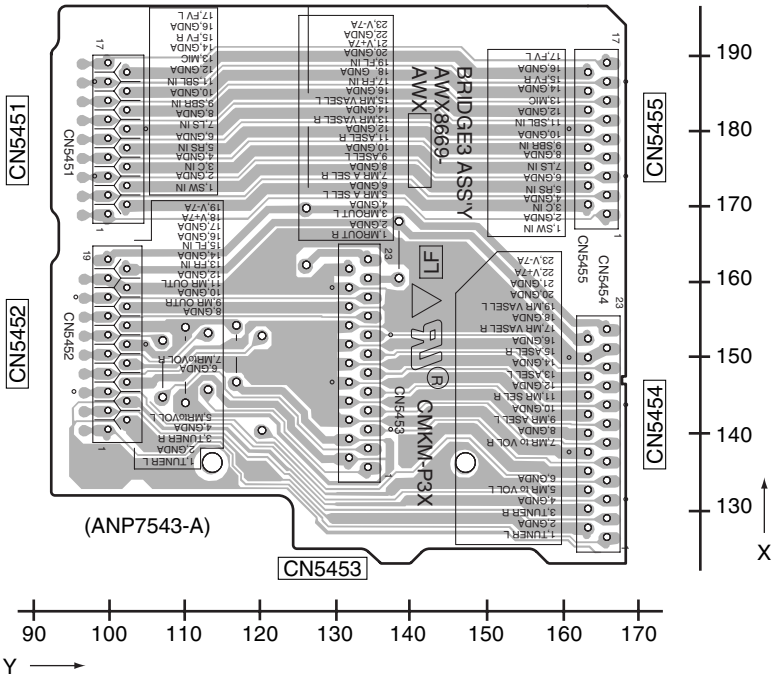


SIDE B



H BRIDGE3 ASSY

SIDE B



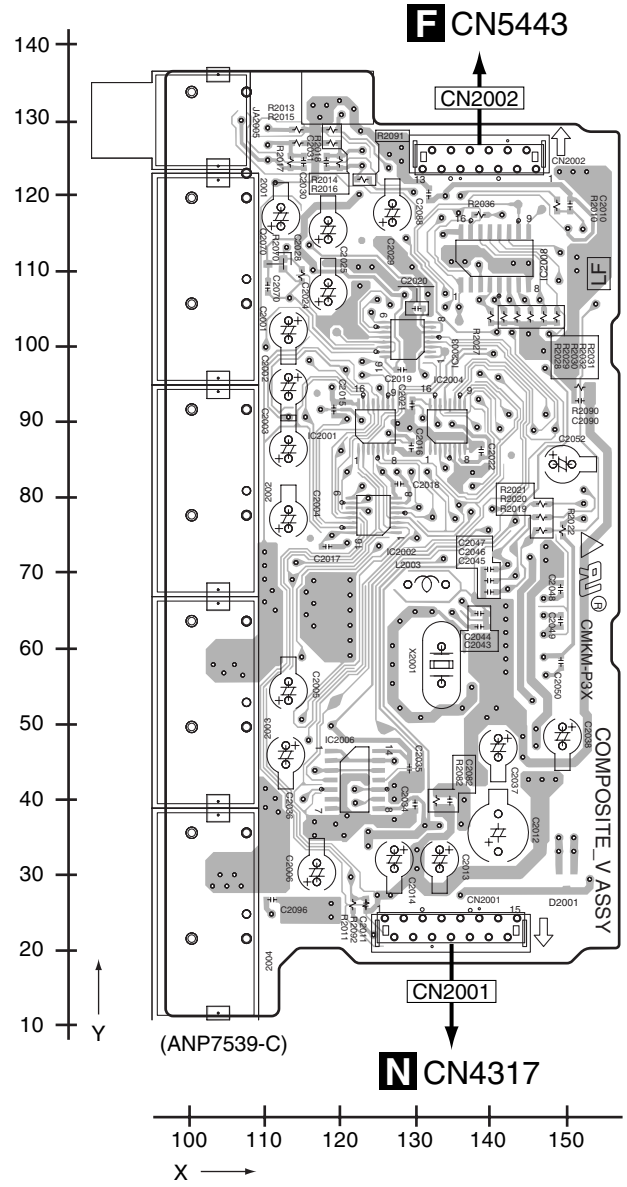
G H

4.7 COMPOSITE V ASSYS

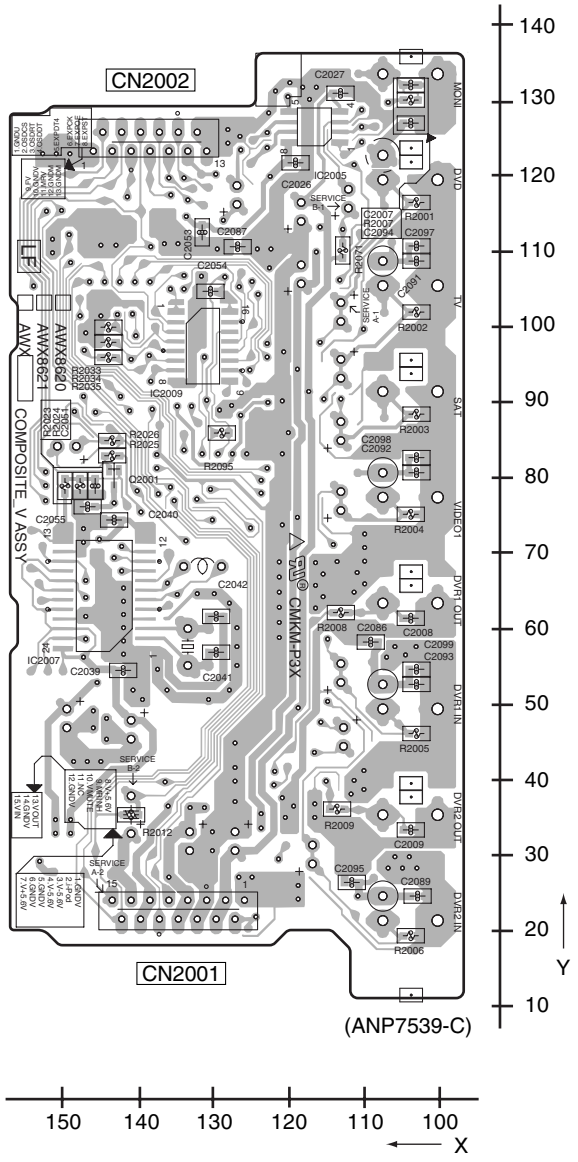
SIDE A

SIDE B

I COMPOSITE V ASSY



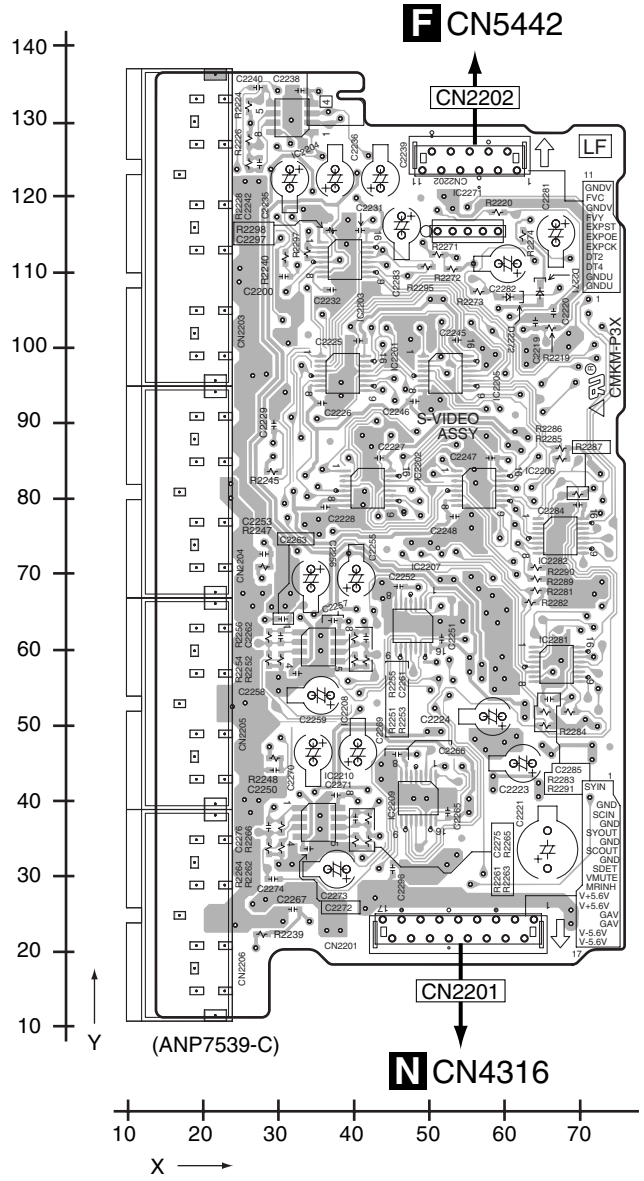
I COMPOSITE V ASSY



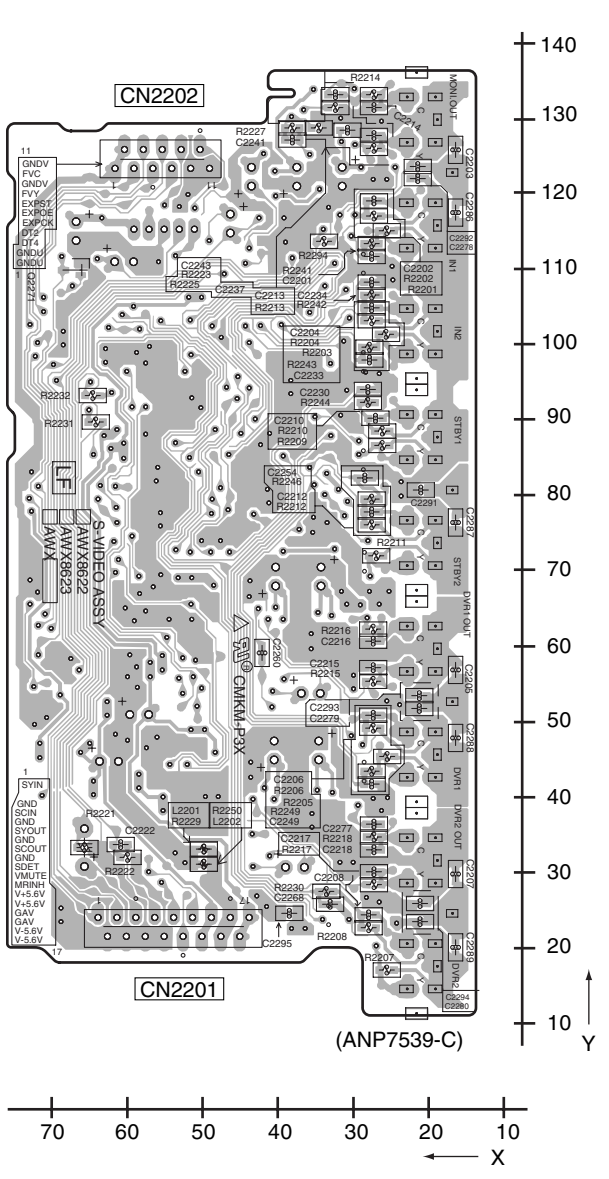
4.8 S-VIDEO ASSY

SIDE A **SIDE B**

J S-VIDEO ASSY

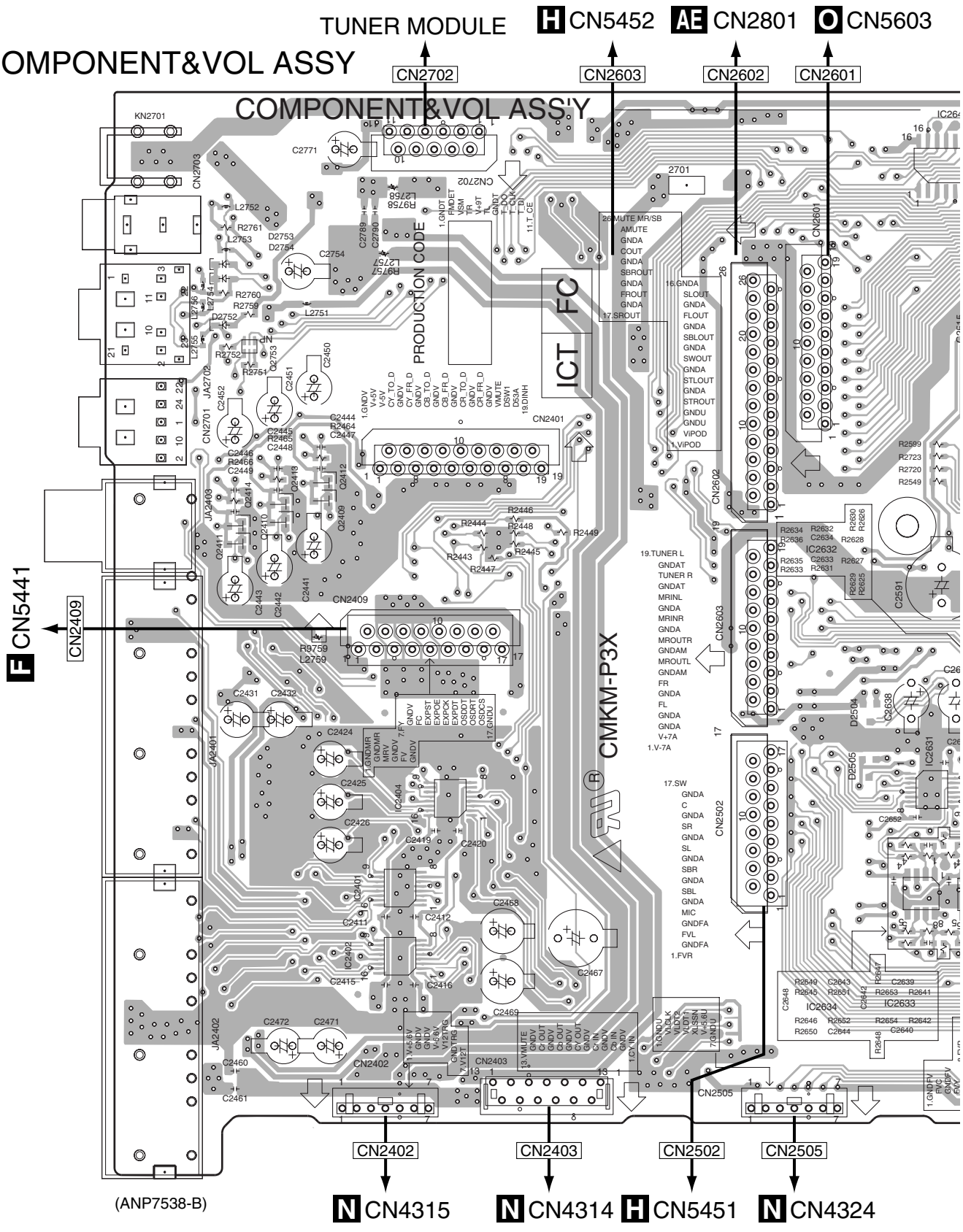


J S-VIDEO ASSY



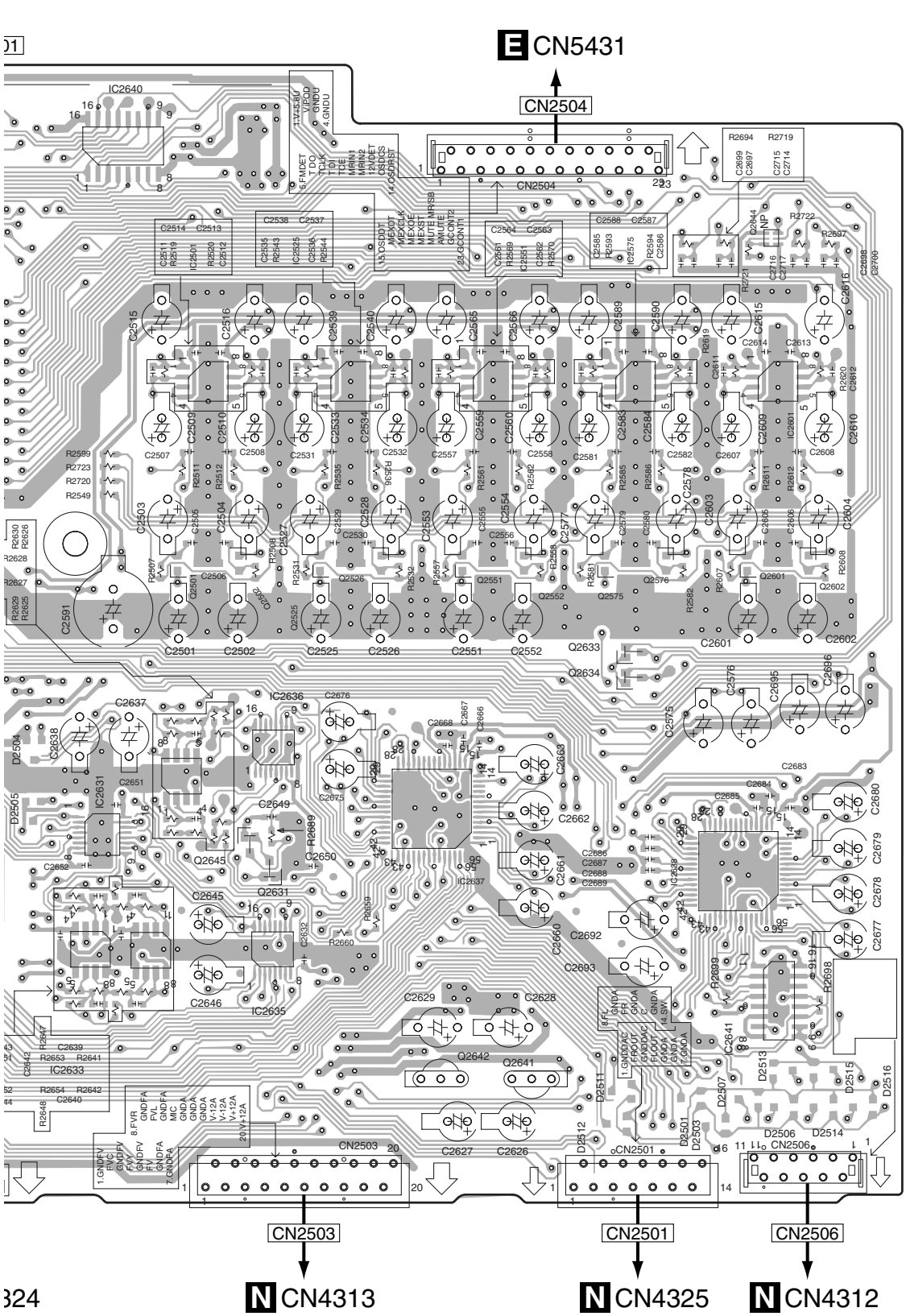
4.9 COMPONENT&VOL ASSY

SIDE A



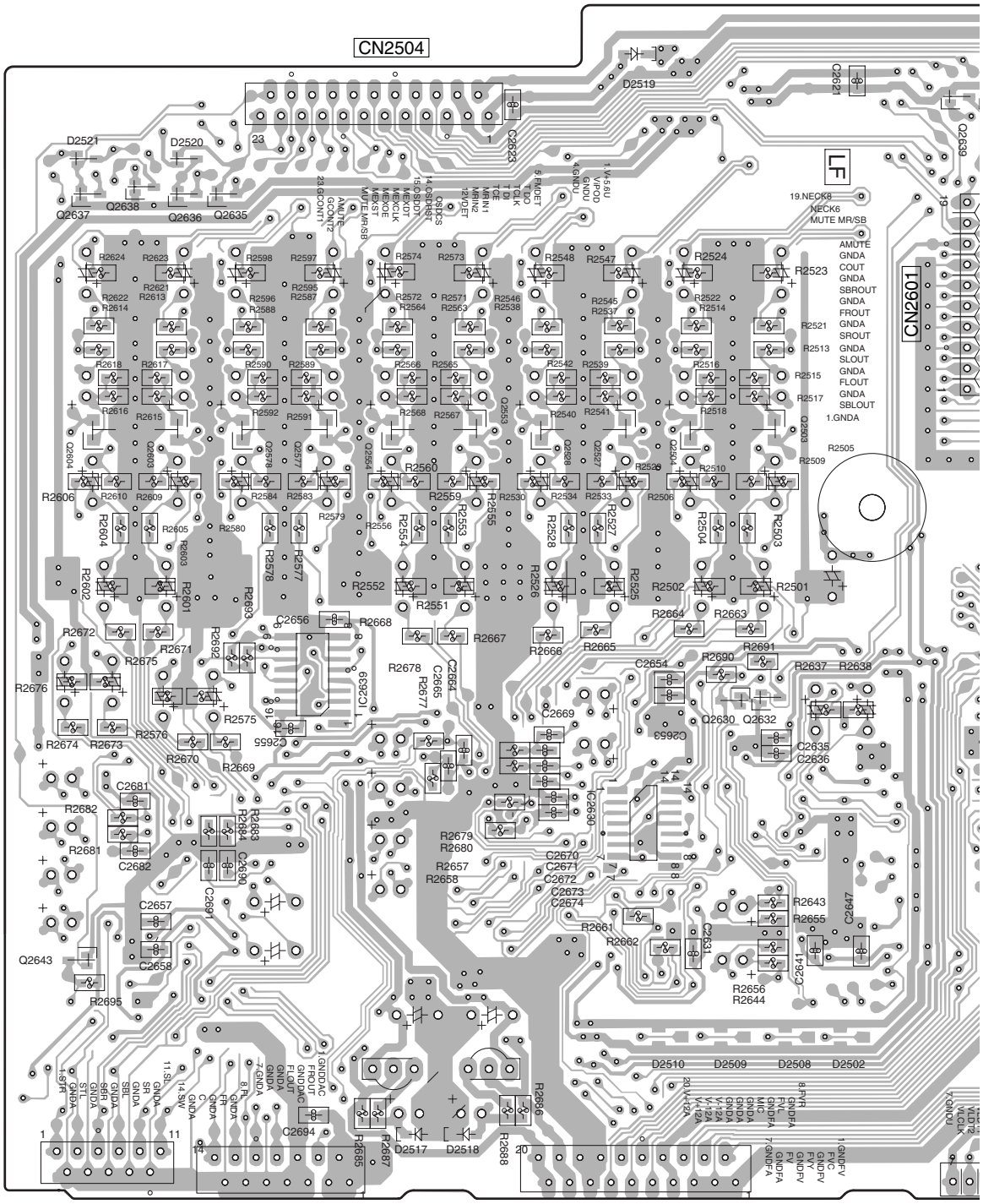
SIDE A

CN5603

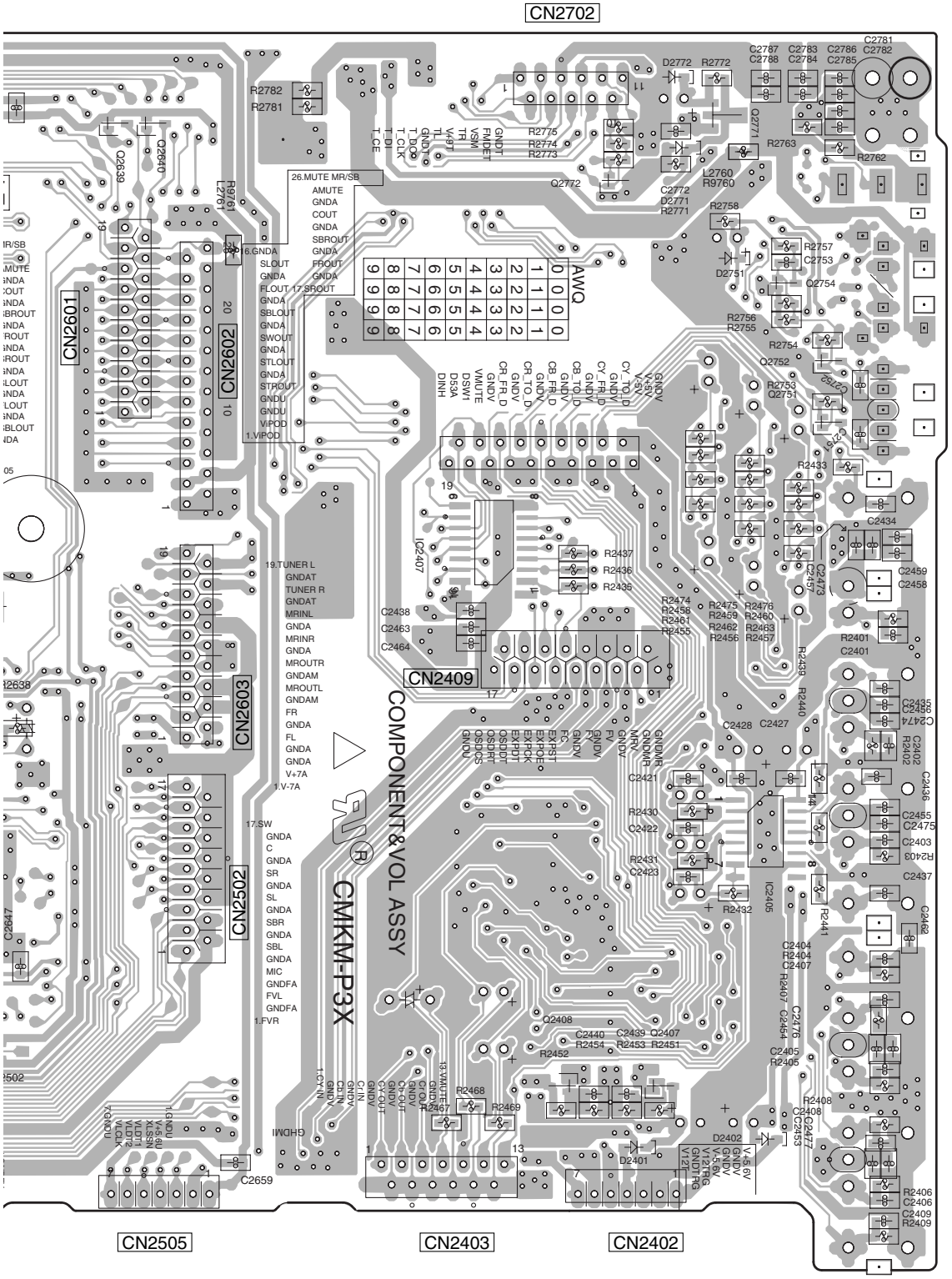


SIDE B

K COMPONENT&VOL ASSY

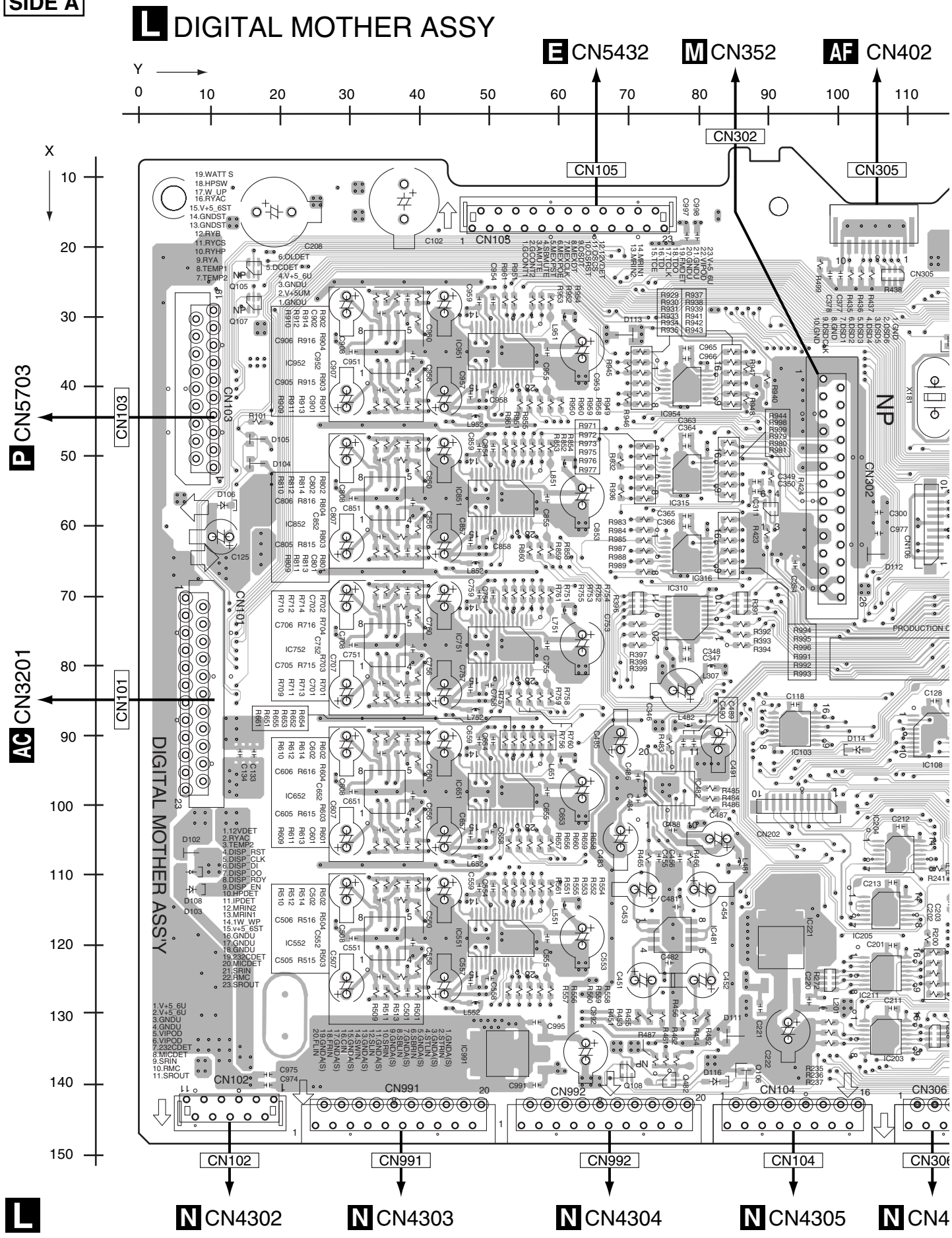


SIDE B

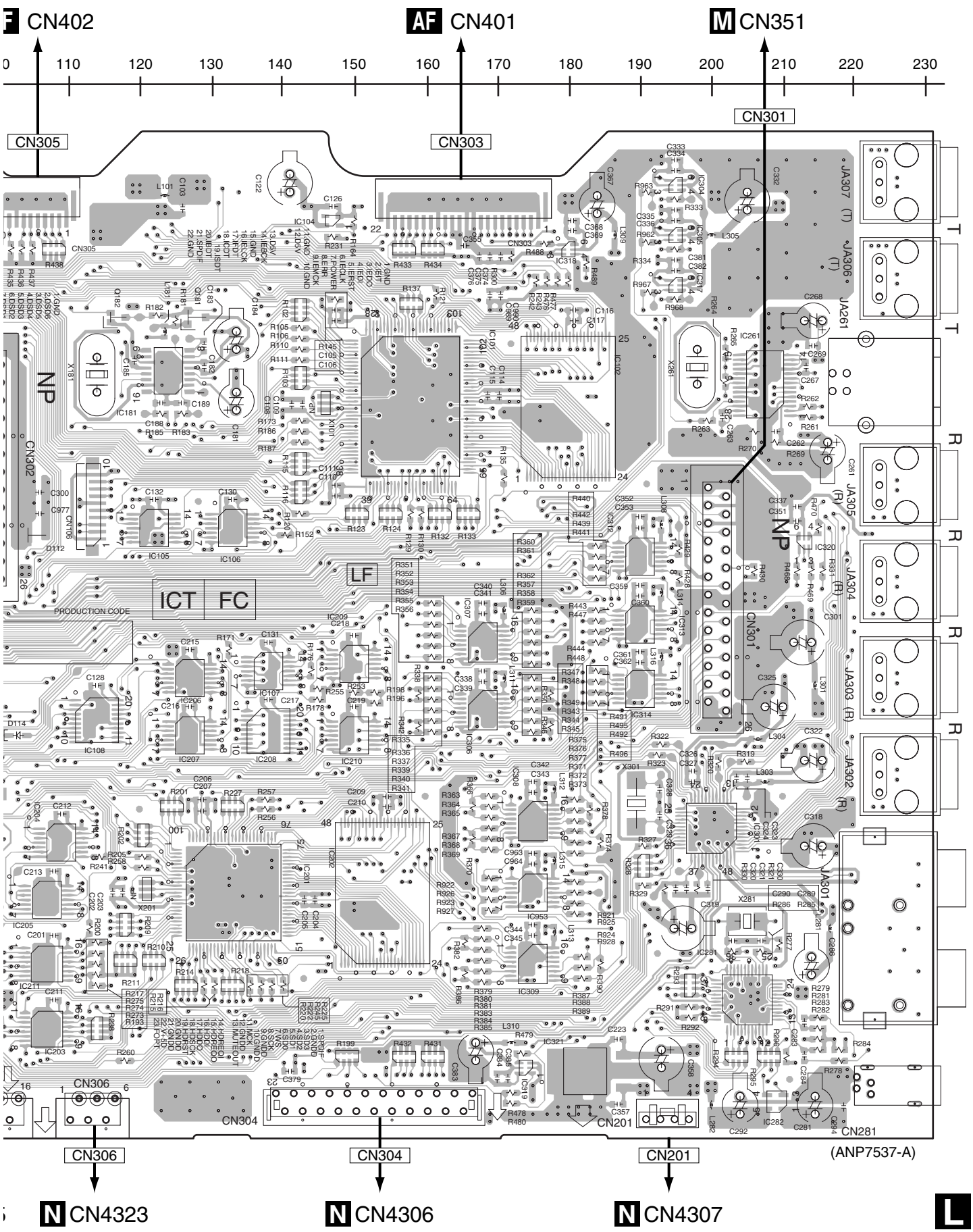

CN2702
CN2601
CN2602
CN2603
CN2502
CN2409
CN2505
CN2403
CN2402
COMPONENT&VOL ASSY
CMKM-P3X
AWQ
26.MUTE MR/SB
AMUTE
GNDA
COUT
SBROUT
FROUT
SROUT
VIPOD
19.TUNER L
TUNER R
MRINL
MRINR
MROUTR
MROUTL
FR
FL
V+7A
1.V-7A
17.SW
C
SR
SL
SBR
SBL
MIC
GNDFA
FVL
FVR
1.FVR
(ANP7538-B)

4.10 DIGITAL MOTHER ASSY

SIDE A

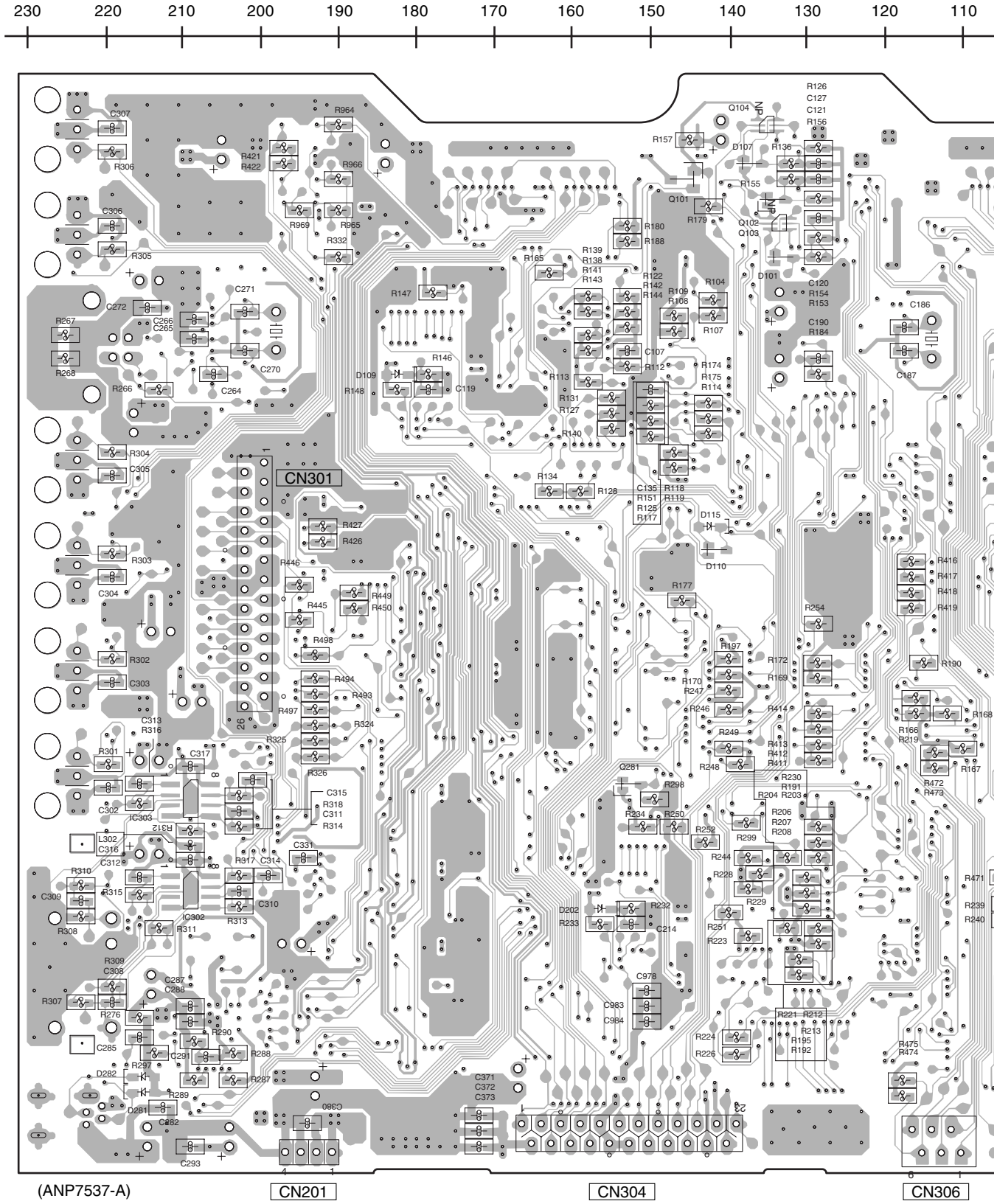


SIDE A

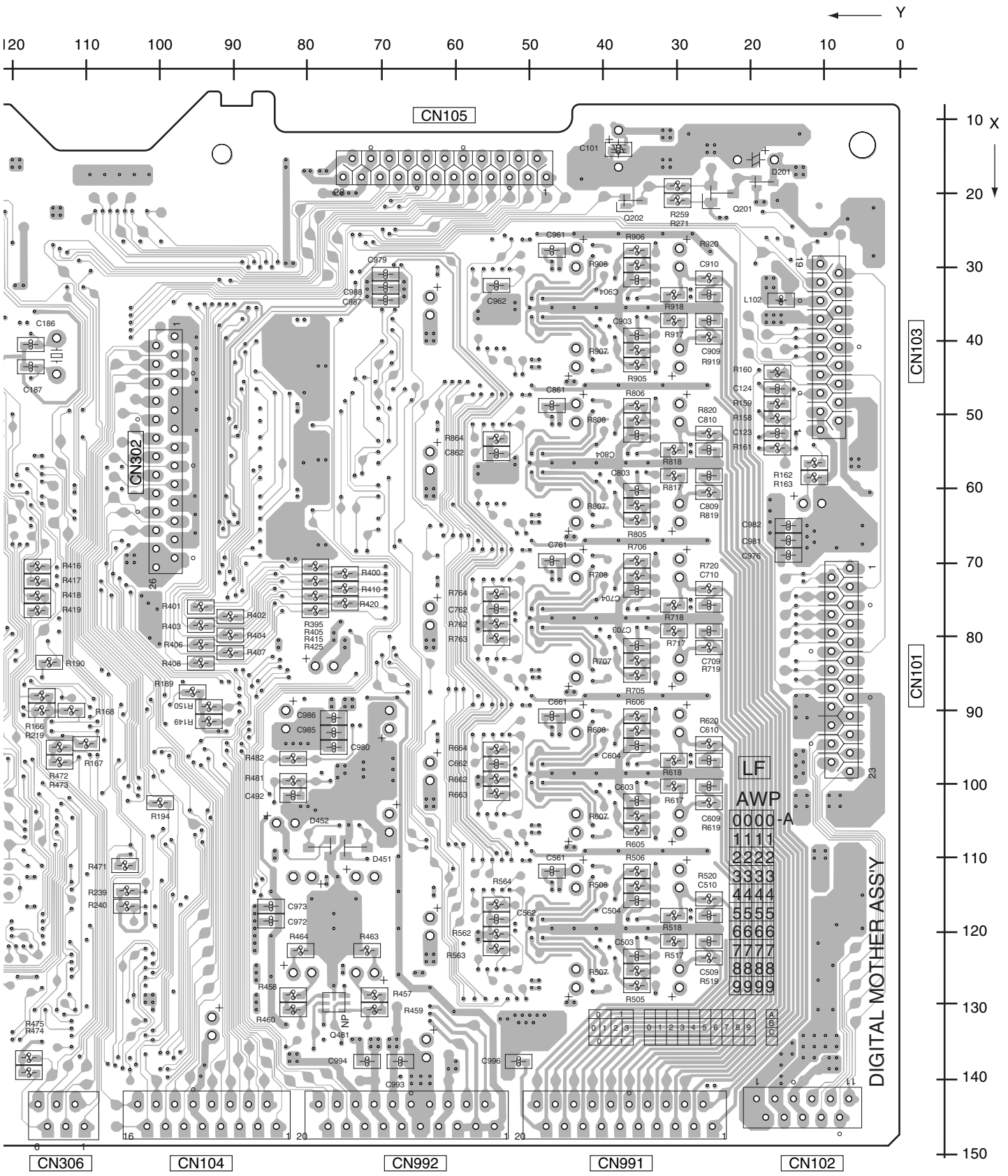

F CN402
AF CN401
M CN351
CN305
CN303
CN301
CN306
CN304
CN201
CN281
CN302
CN4323
CN4306
CN4307
JA307 (T)
JA306 (T)
JA261
JA305 (R)
JA304 (R)
JA303 (R)
JA302 (R)
JA301
ICT FC
LF
NP
PRODUCTION CODE
(ANP7537-A)

SIDE B

L DIGITAL MOTHER ASSY



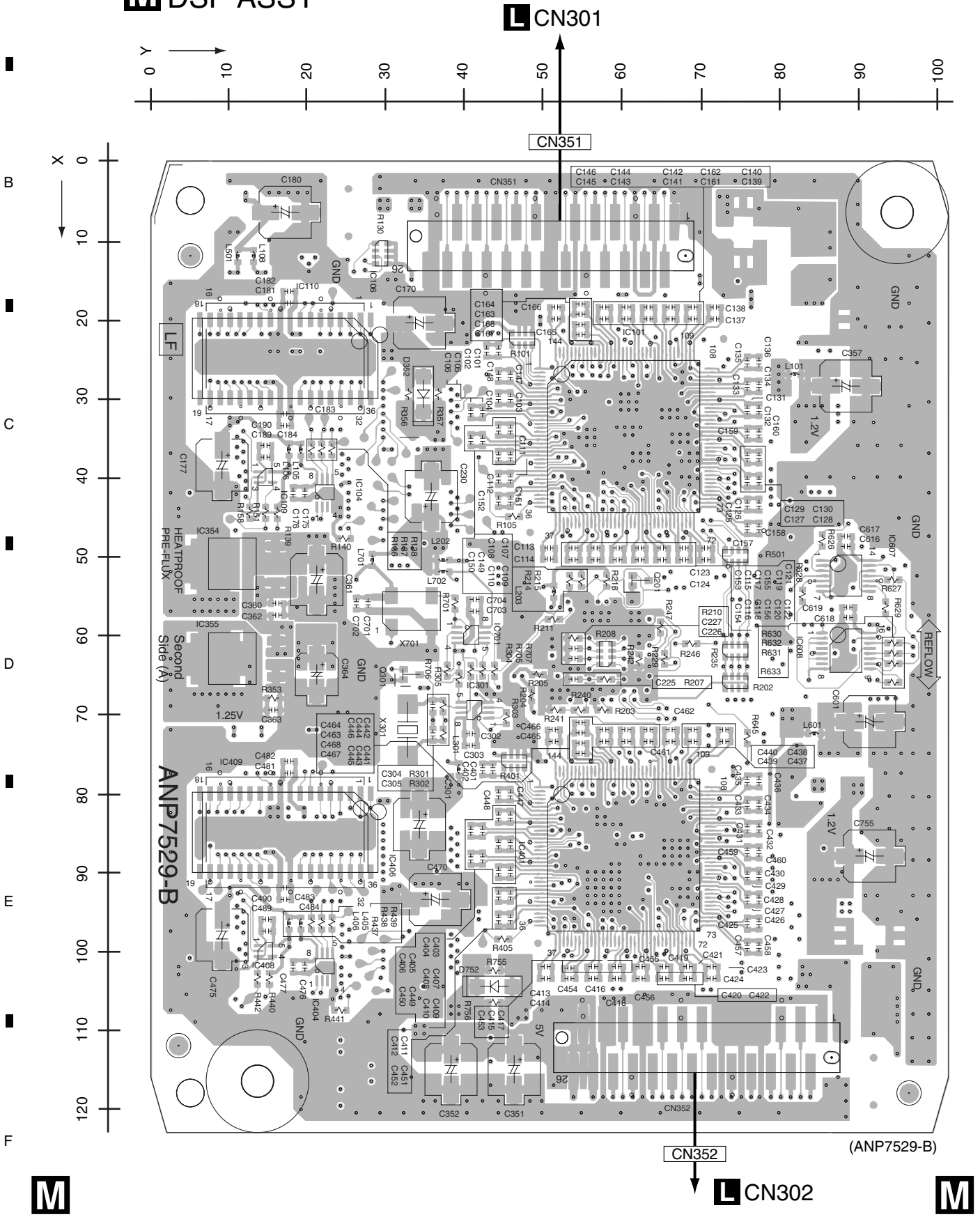
SIDE B


Y
120 110 100 90 80 70 60 50 40 30 20 10 0
X
10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
A B C D E F
CN105
CN103
CN101
CN302
CN306
CN104
CN992
CN991
CN102
LF
AWP
0000-A
1111
2222
3333
4444
5555
6666
7777
8888
9999
DIGITAL MOTHER ASS'Y

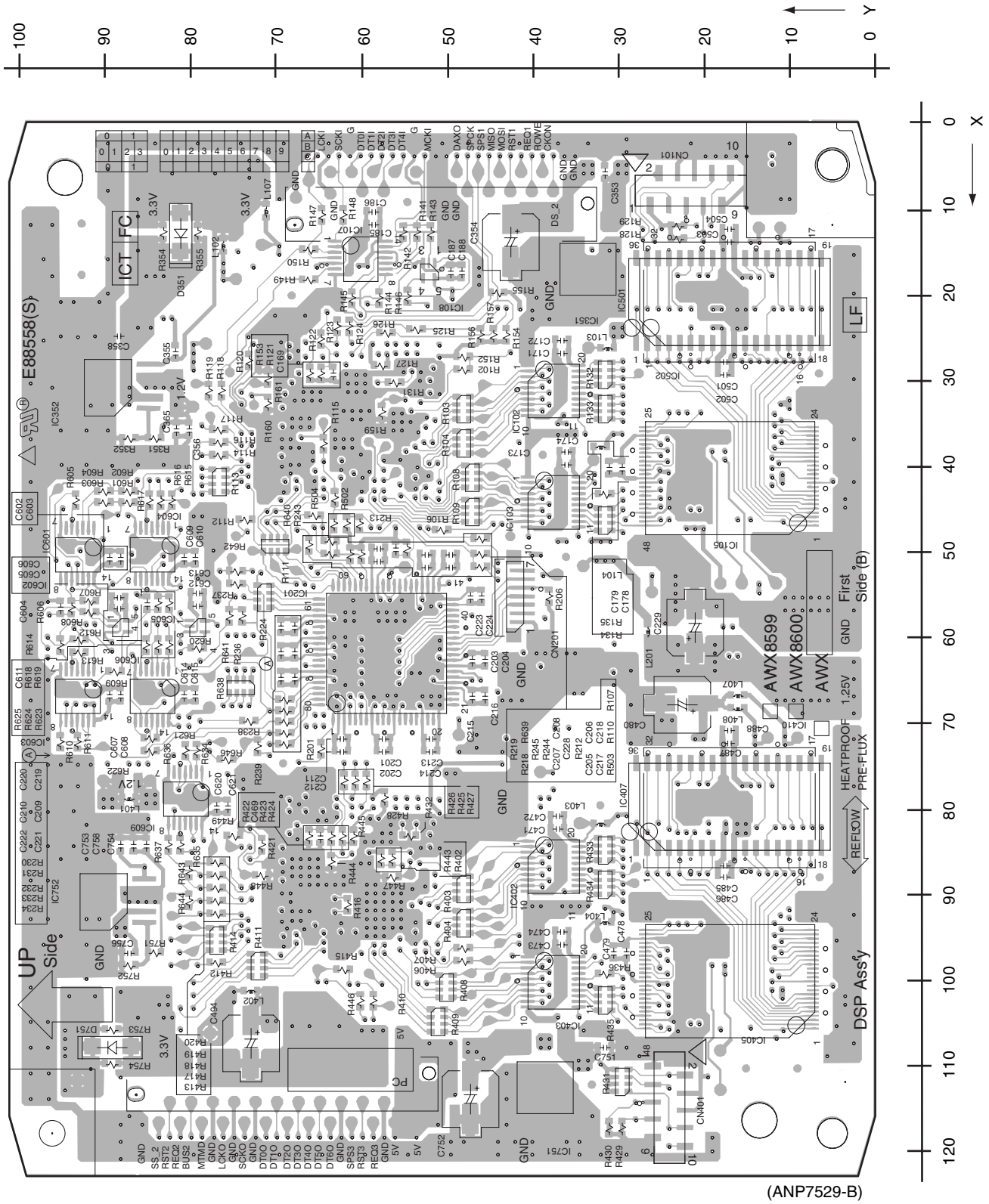
4.11 DSP ASSY

SIDE A **SIDE A**

M DSP ASSY

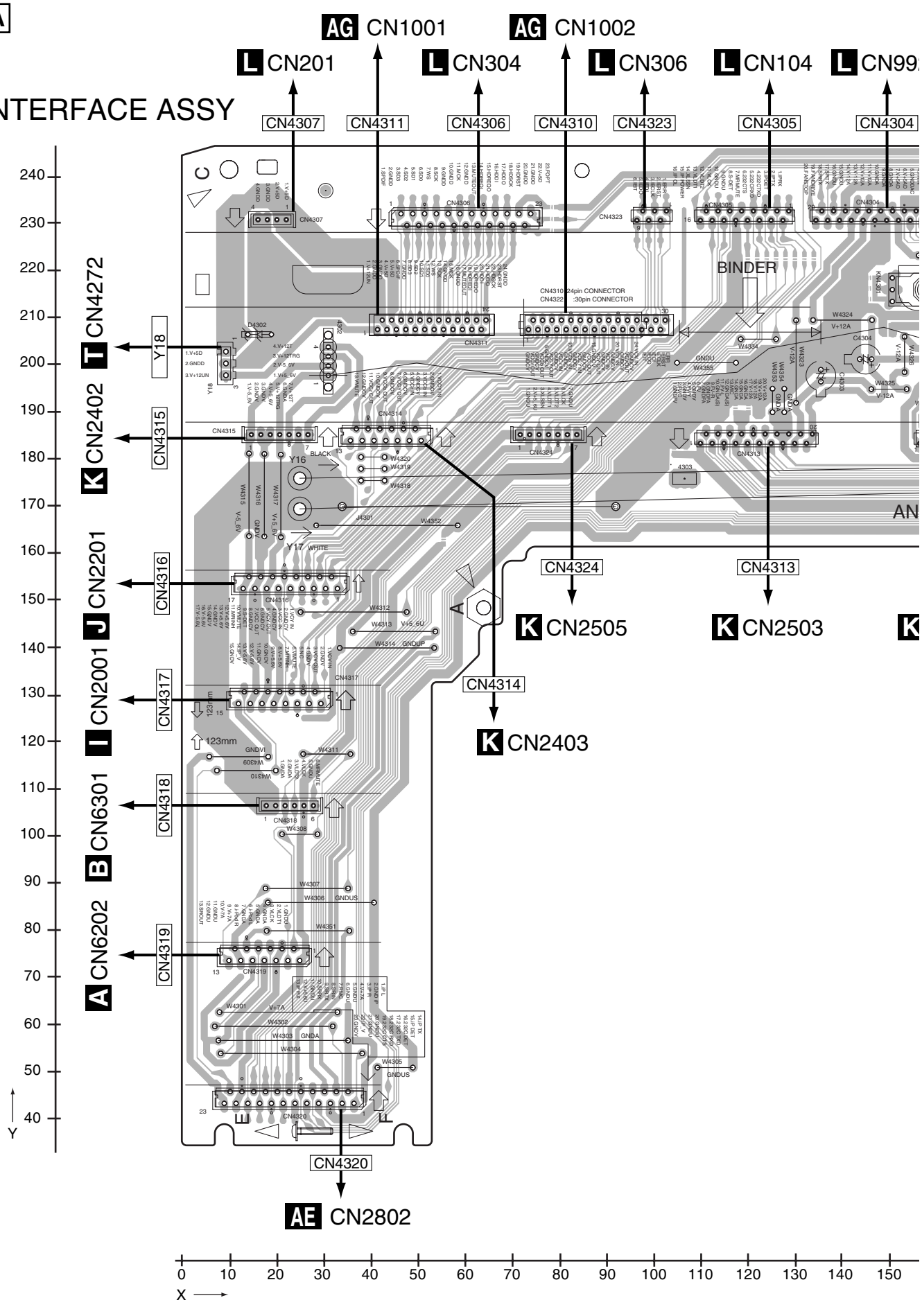


M DSP ASSY

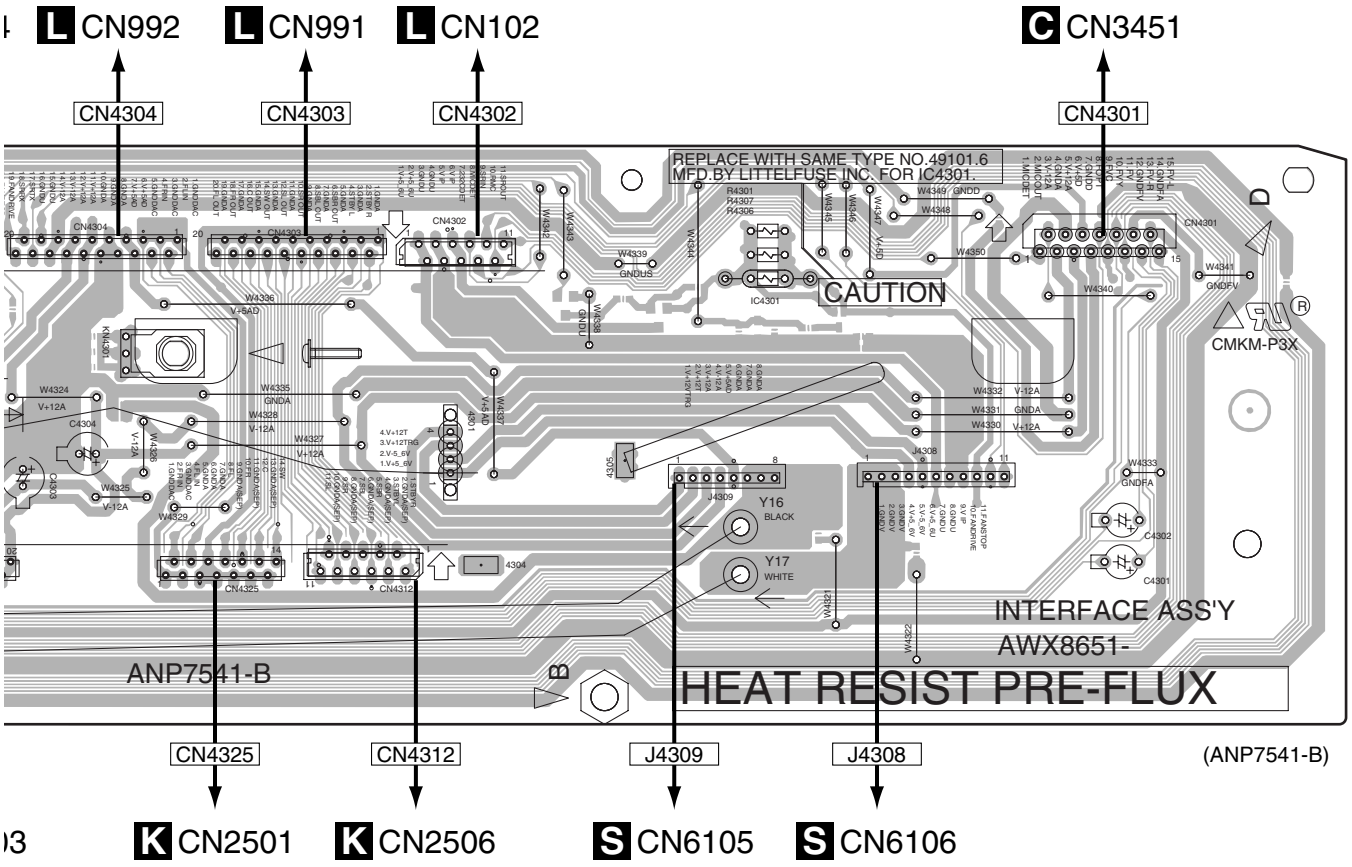

E88558(S)
UP Side
DSP Assy
First Side (B)
REFLOW
HEATPROOF
PRE-FLUX
AWX8599
AWX8600
AWX
ICT
FC
LF
(ANP7529-B)

4.12 INTERFACE ASSY

SIDE A



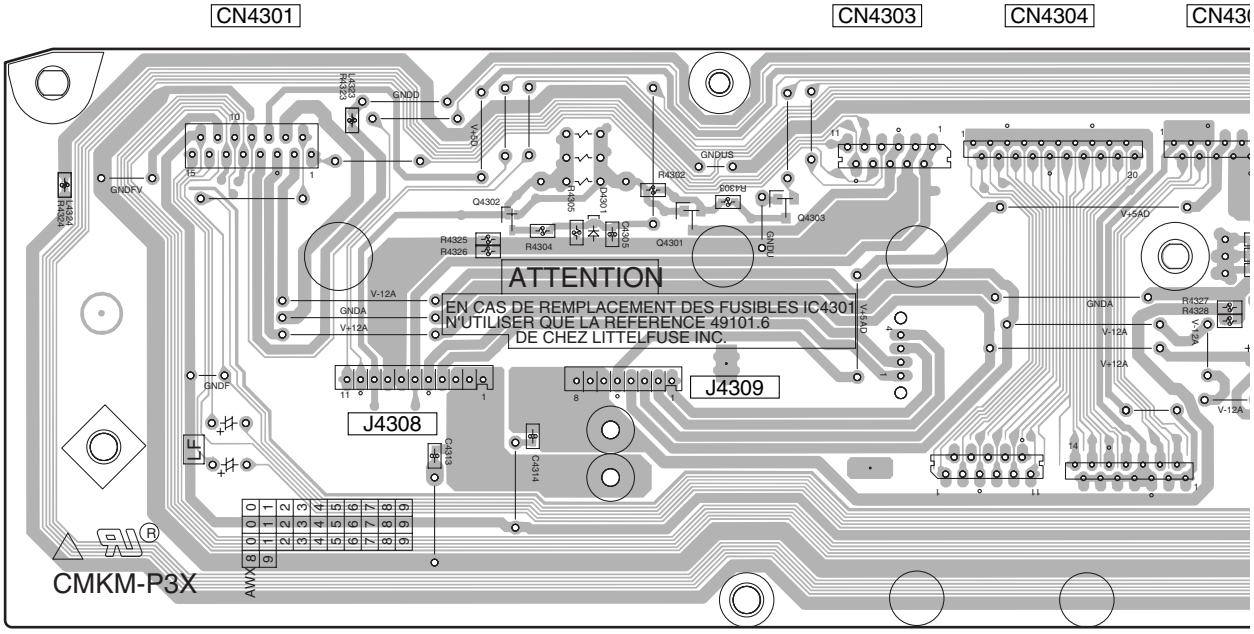
SIDE A



K CN2501 K CN2506 S CN6105 S CN6106

SIDE B

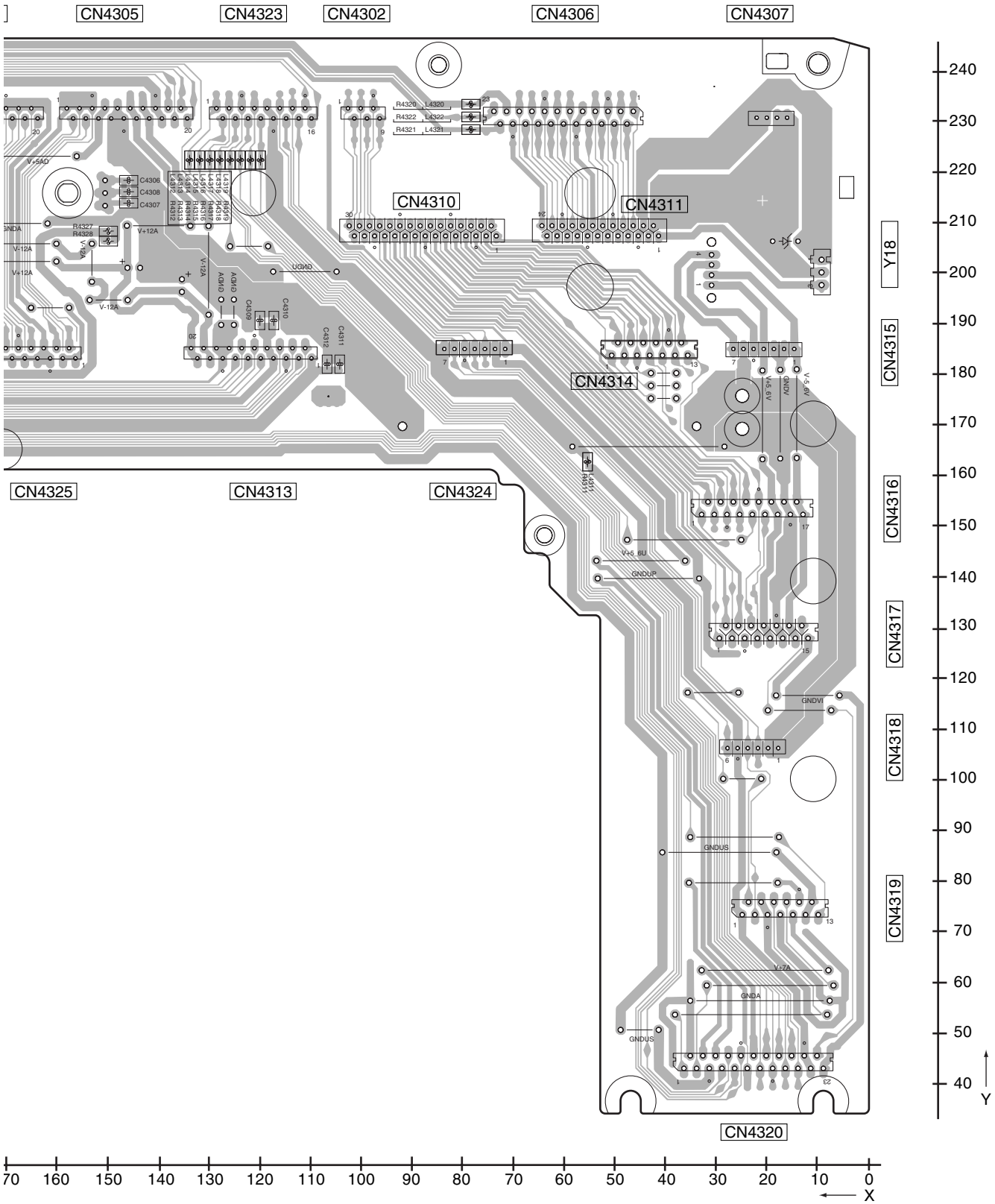
N INTERFACE ASSY



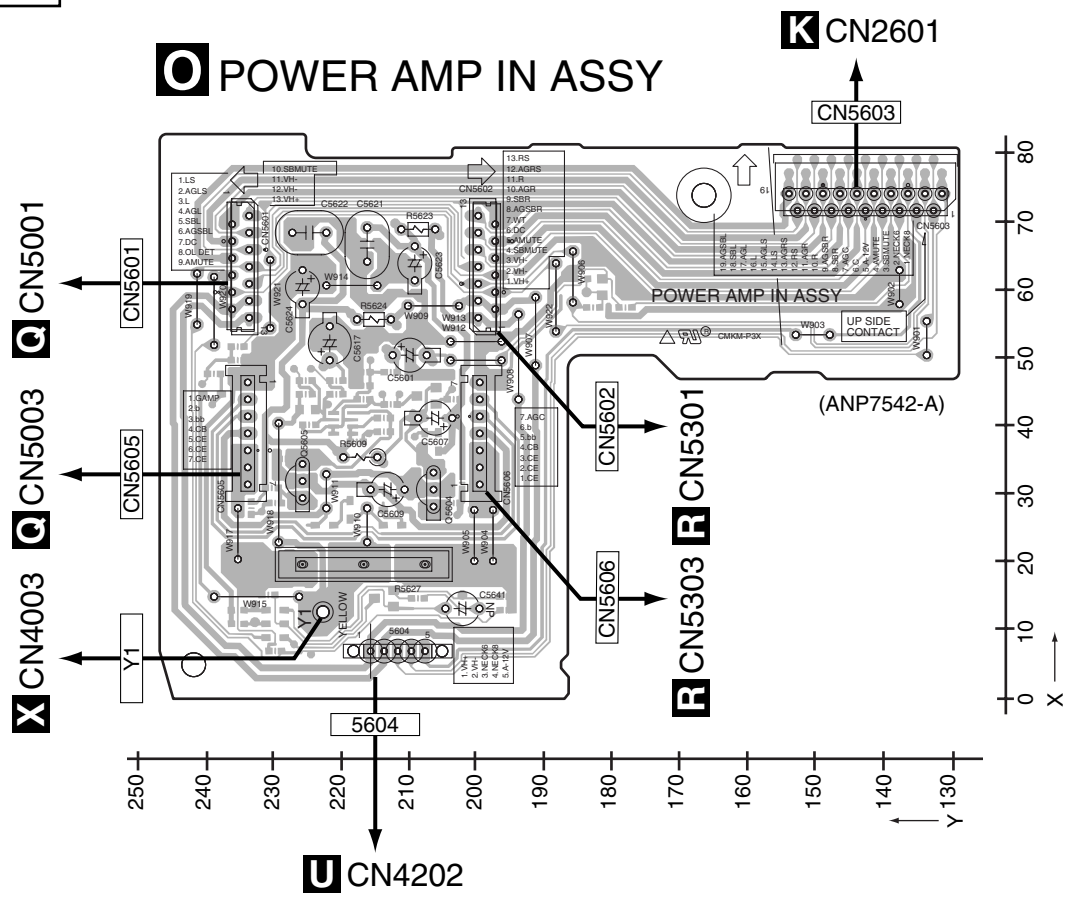
(ANP7540-A)

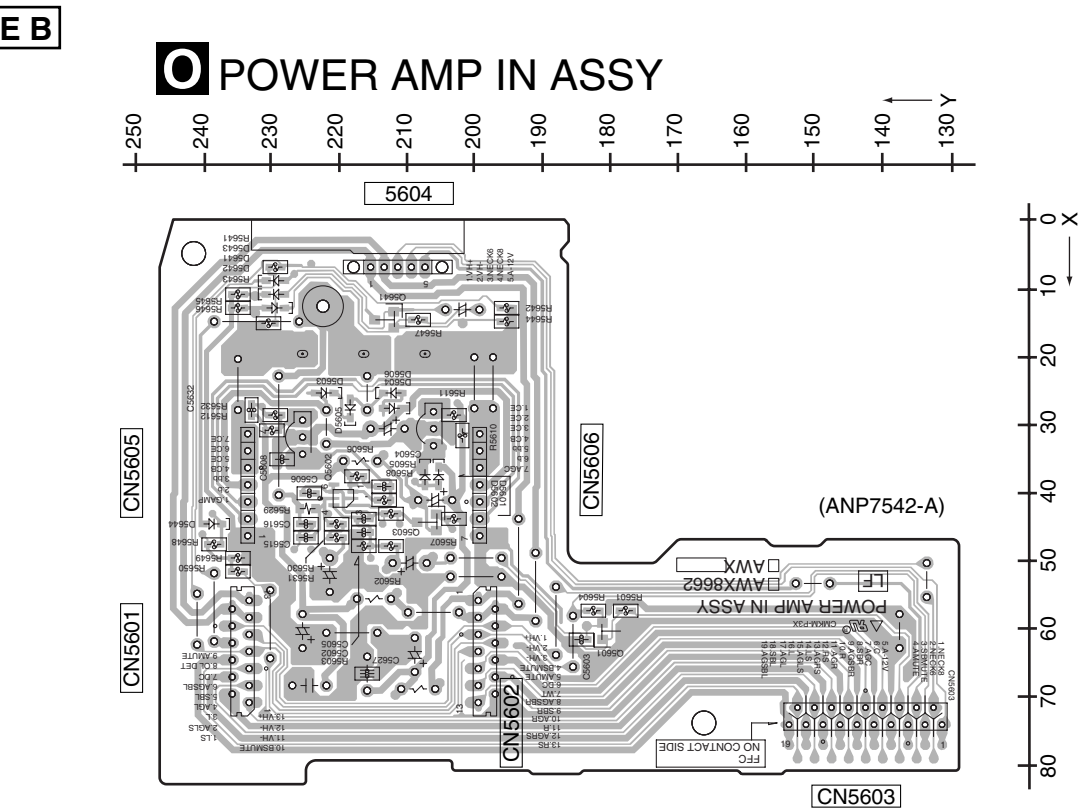
320 310 300 290 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150

SIDE B


CN4305
CN4323
CN4302
CN4306
CN4307
CN4310
CN4311
CN4314
CN4325
CN4313
CN4324
CN4320
Y18
CN4315
CN4316
CN4317
CN4318
CN4319
V+5AD
V+12A
V-12A
GNDA
GNDD
GNDV
GNDUP
GNDVI
GNDUS
V+5.6V
V-5.6V
V+7A
240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 Y
170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 X

4.13 POWER AMP IN ASSY



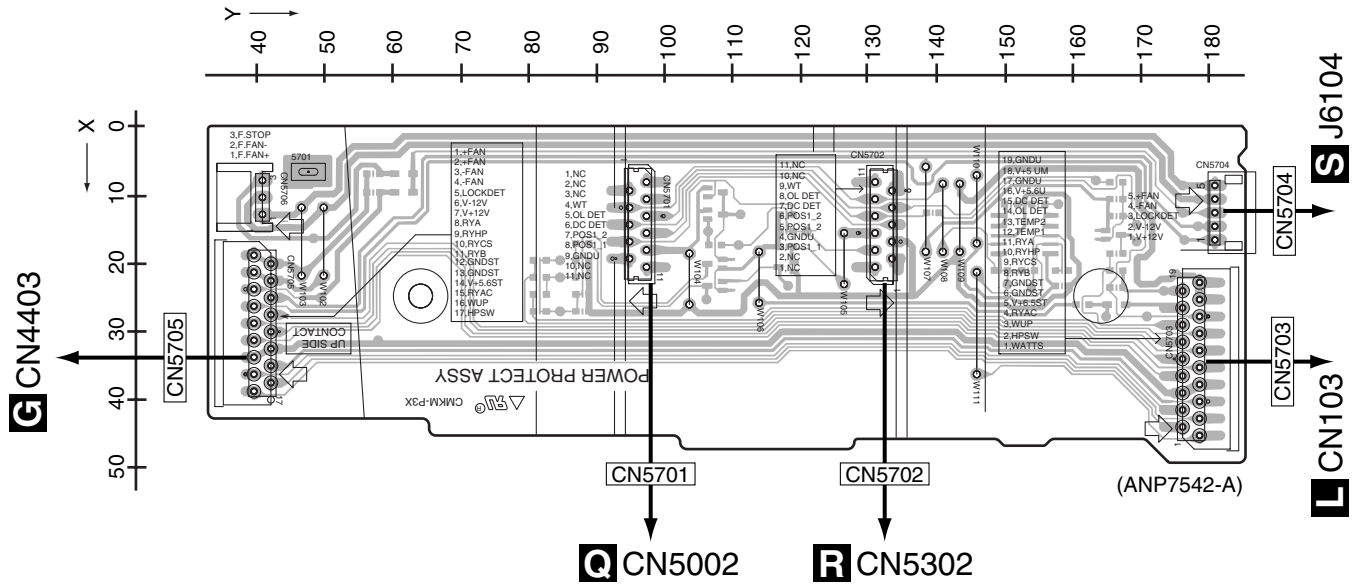


4.14 POWER PROTECT ASSY

SIDE A

SIDE A

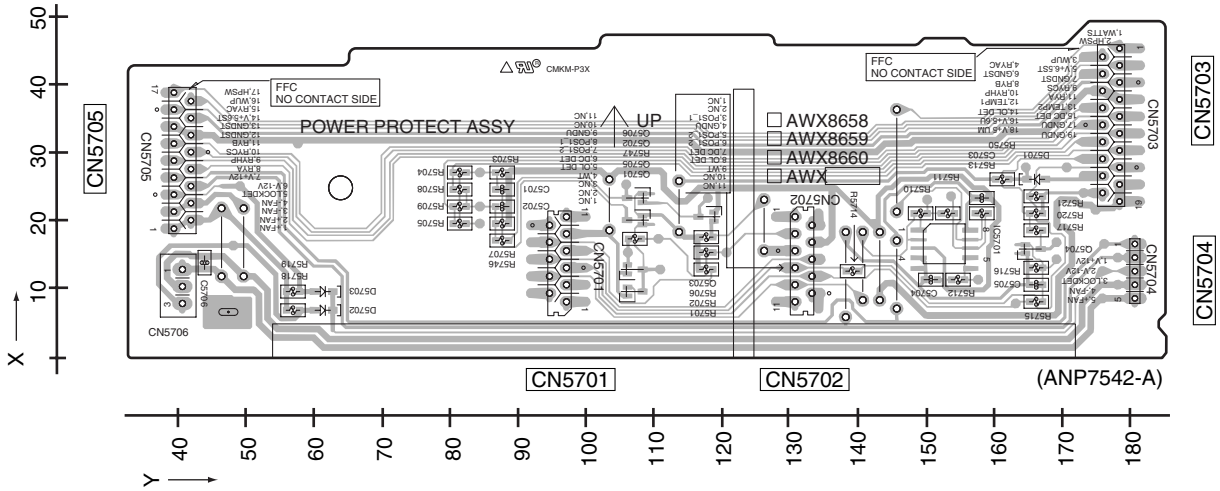
P POWER PROTECT ASSY



SIDE B

SIDE B

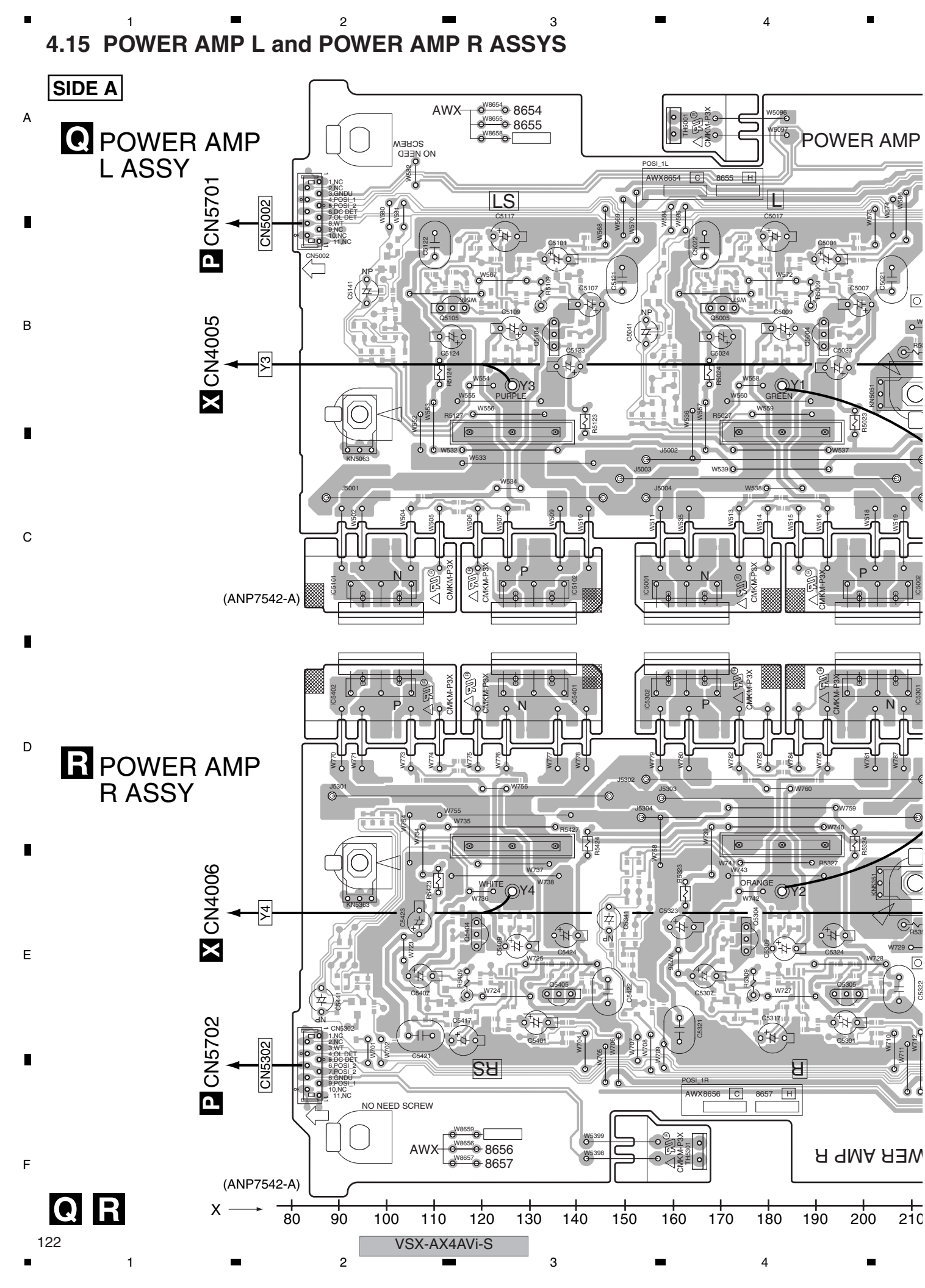
P POWER PROTECT ASSY



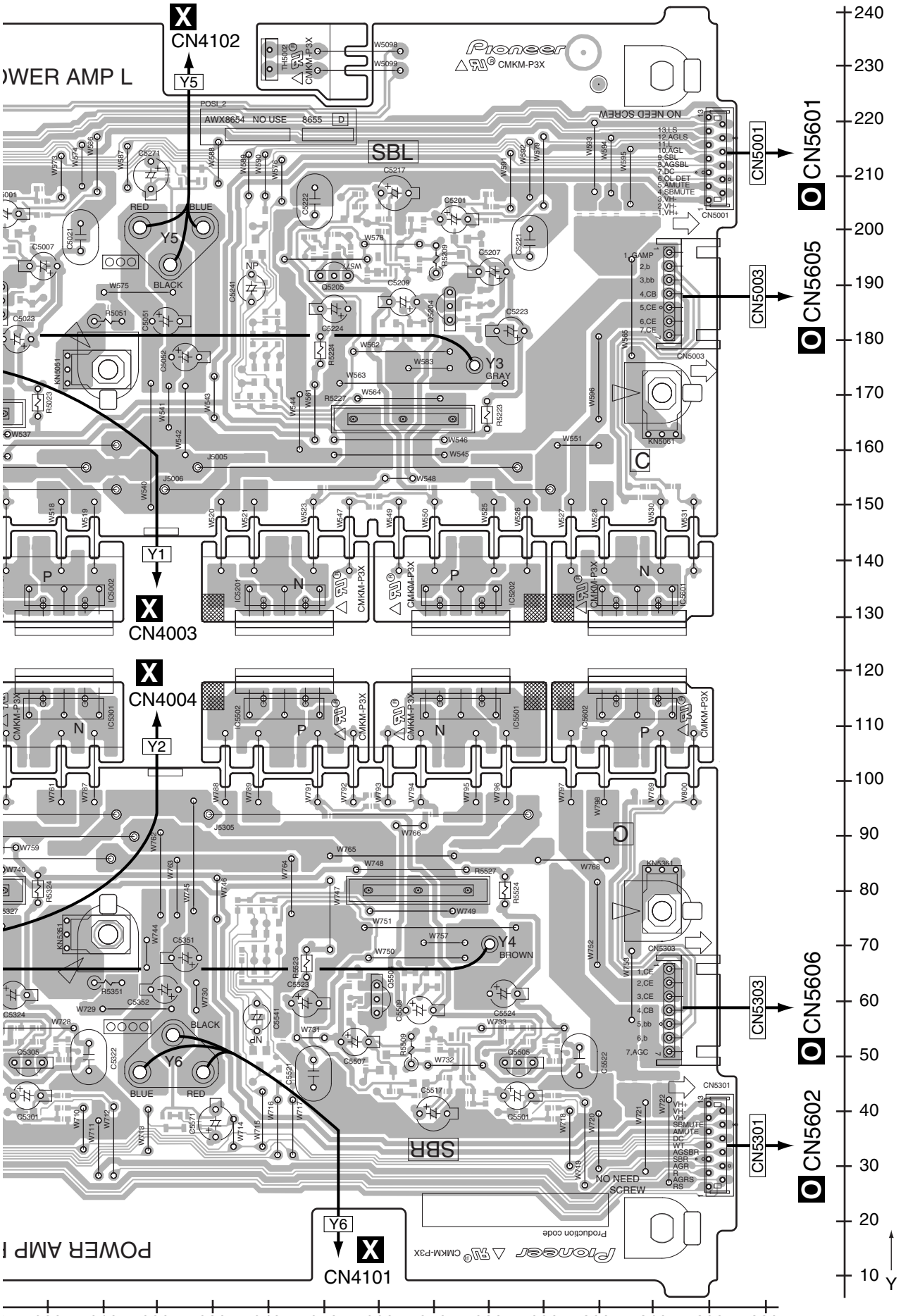
P

P

4.15 POWER AMP L and POWER AMP R ASSYS

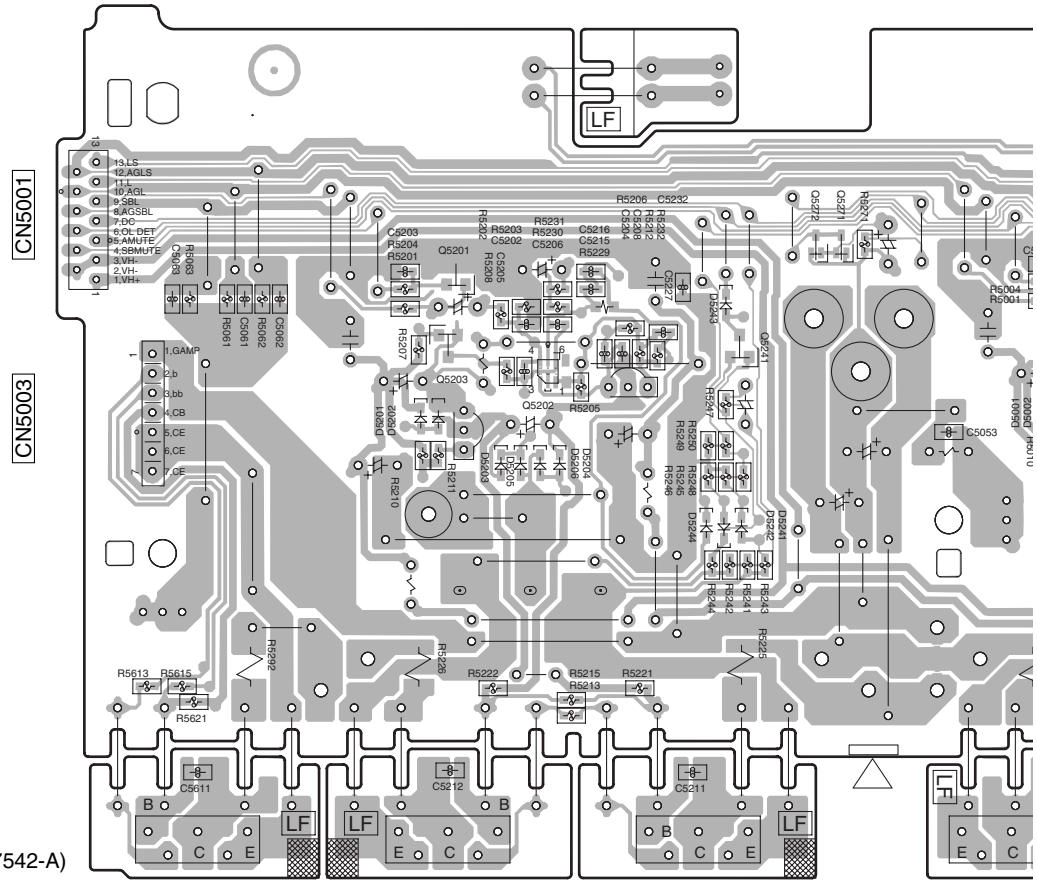


SIDE A


CN4102
Y5
POWER AMP L
POSI_2
AWX8654 NO USE 8655
SBL
RED
BLUE
BLACK
Y5
Y3
GRAY
Y1
CN4003
CN4004
Y2
Y4
BROWN
Y6
BLUE
RED
BLACK
SBR
CN4101
NO NEED SCREW
CN5001
CN5003
CN5303
CN5301
CN5601
CN5605
CN5606
CN5602
CMKM-P3X
Pioneer
Production code

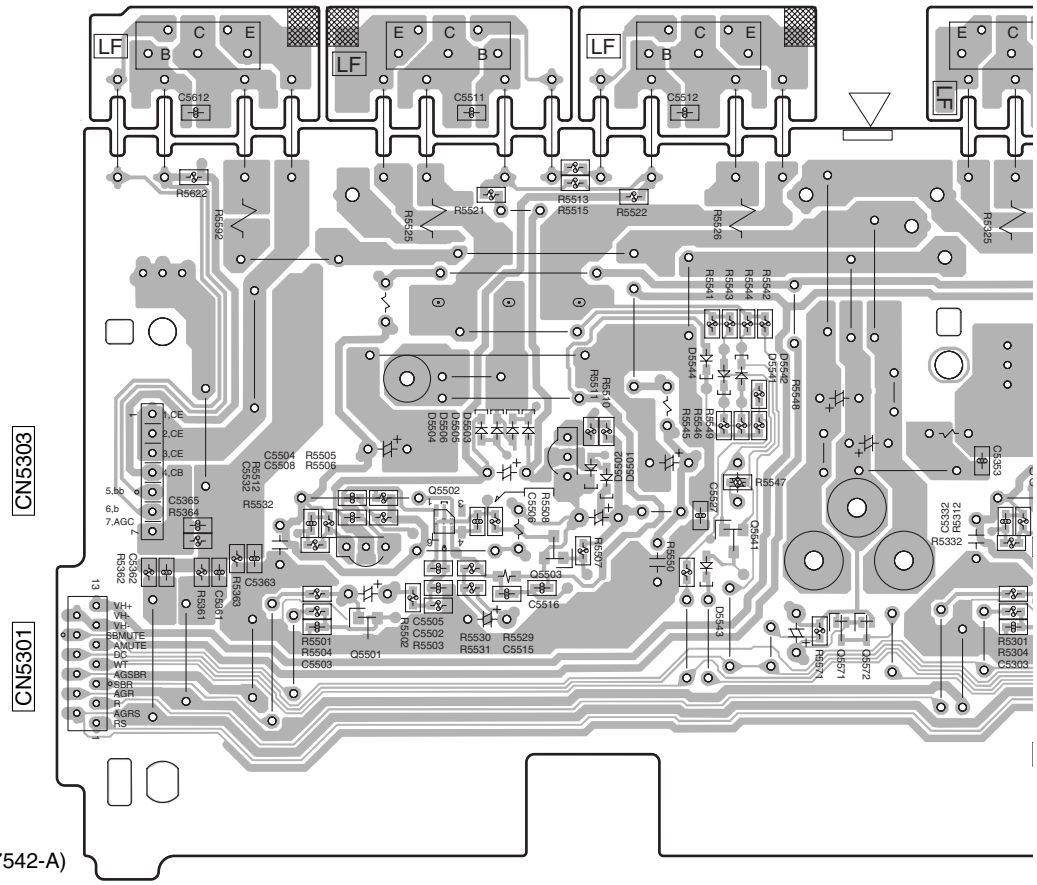
SIDE B

Q POWER AMP L ASSY



(ANP7542-A)

R POWER AMP R ASSY

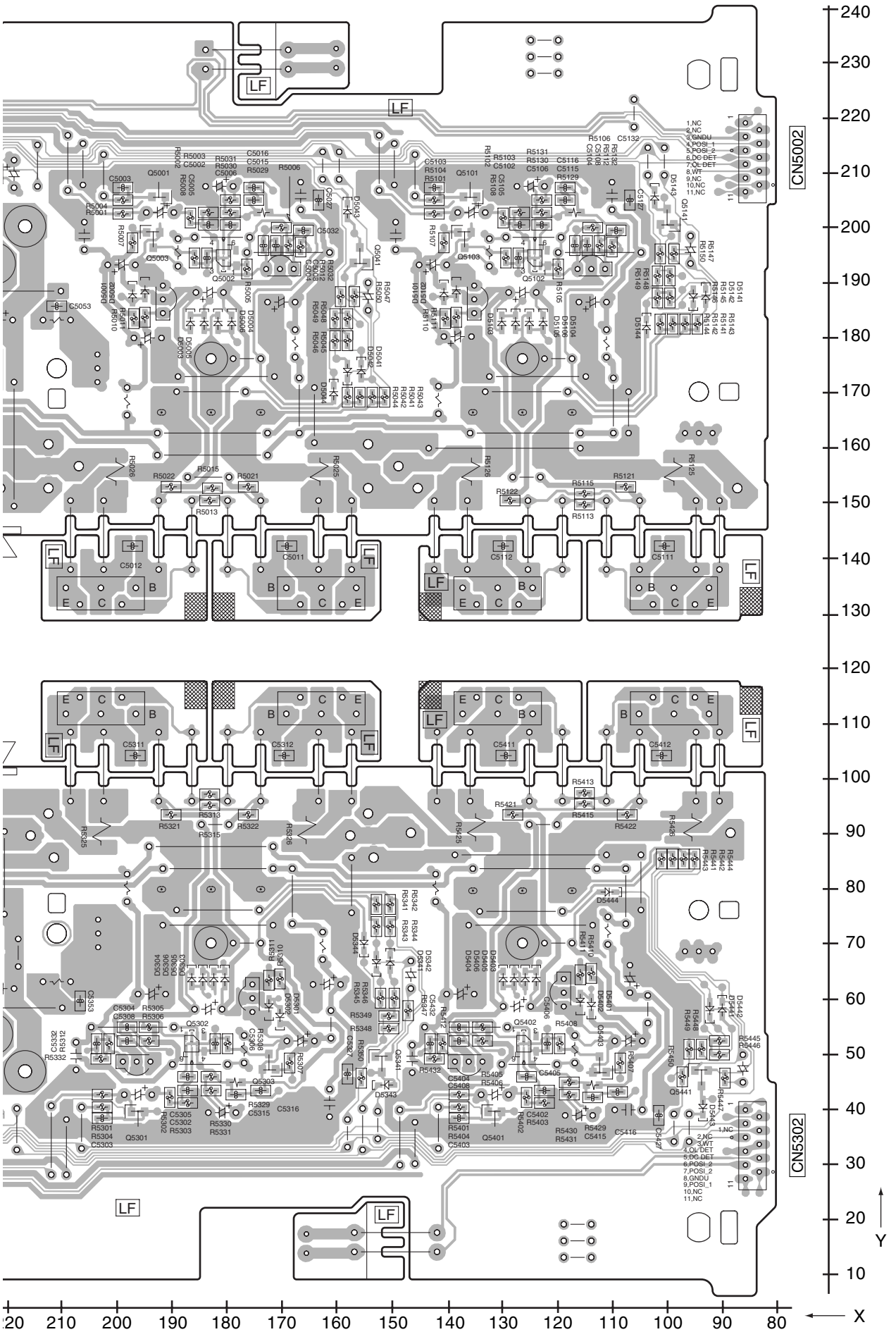


(ANP7542-A)

330 320 310 300 290 280 270 260 250 240 230 220 210

Q R

SIDE B

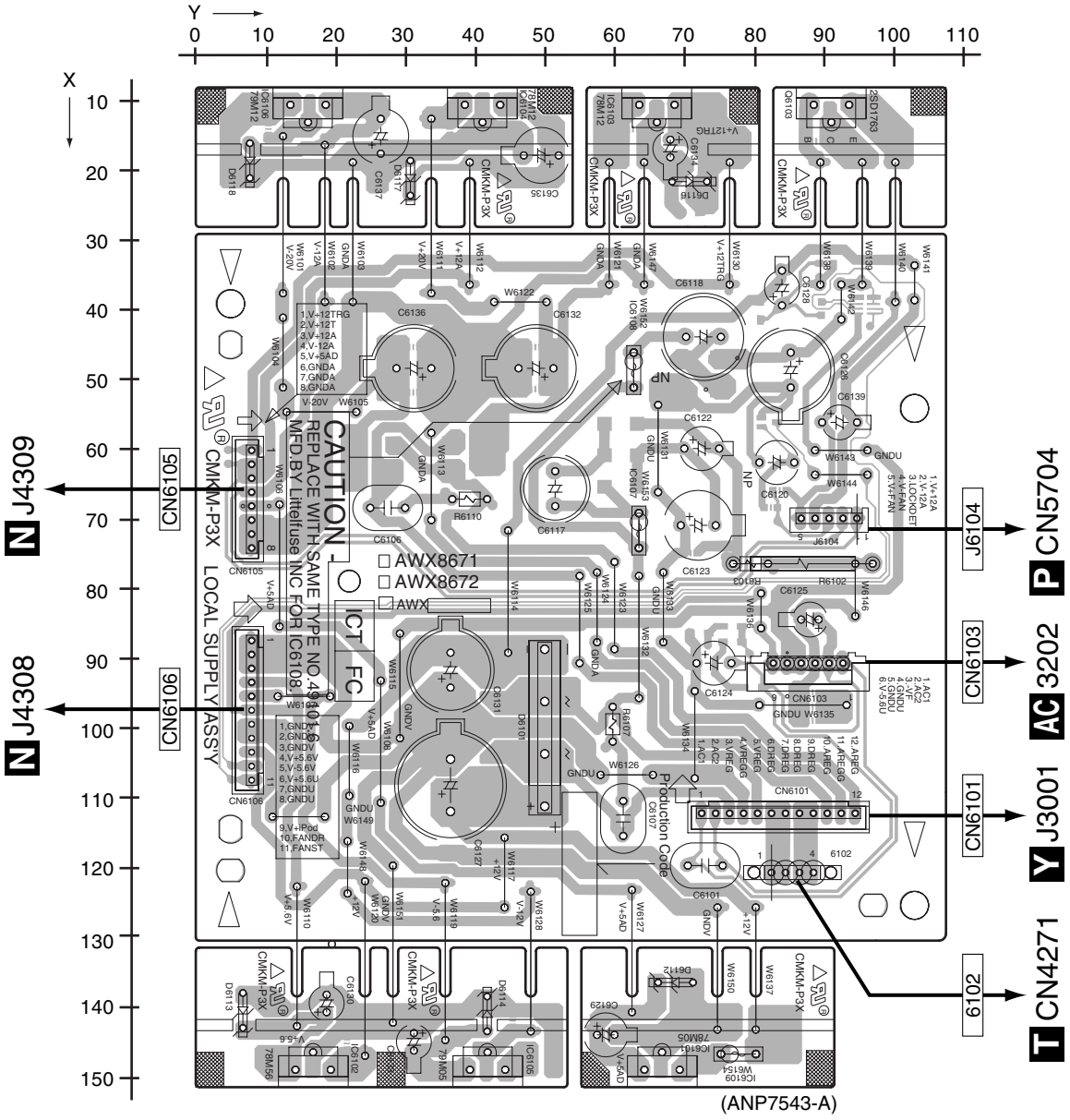


4.16 LOCAL SUPPLY and DC/DC ASSYS

SIDE A

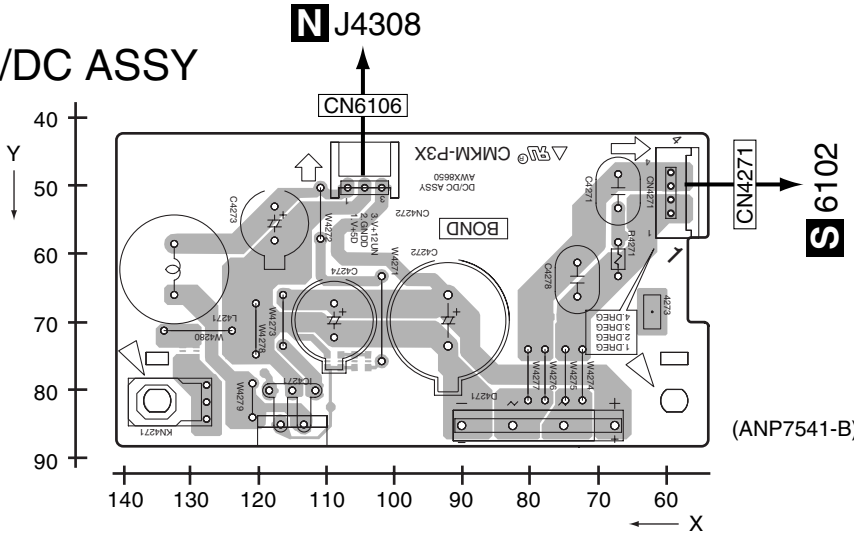
SIDE A

S LOCAL SUPPLY ASSY



(ANP7543-A)

T DC/DC ASSY



(ANP7541-B)

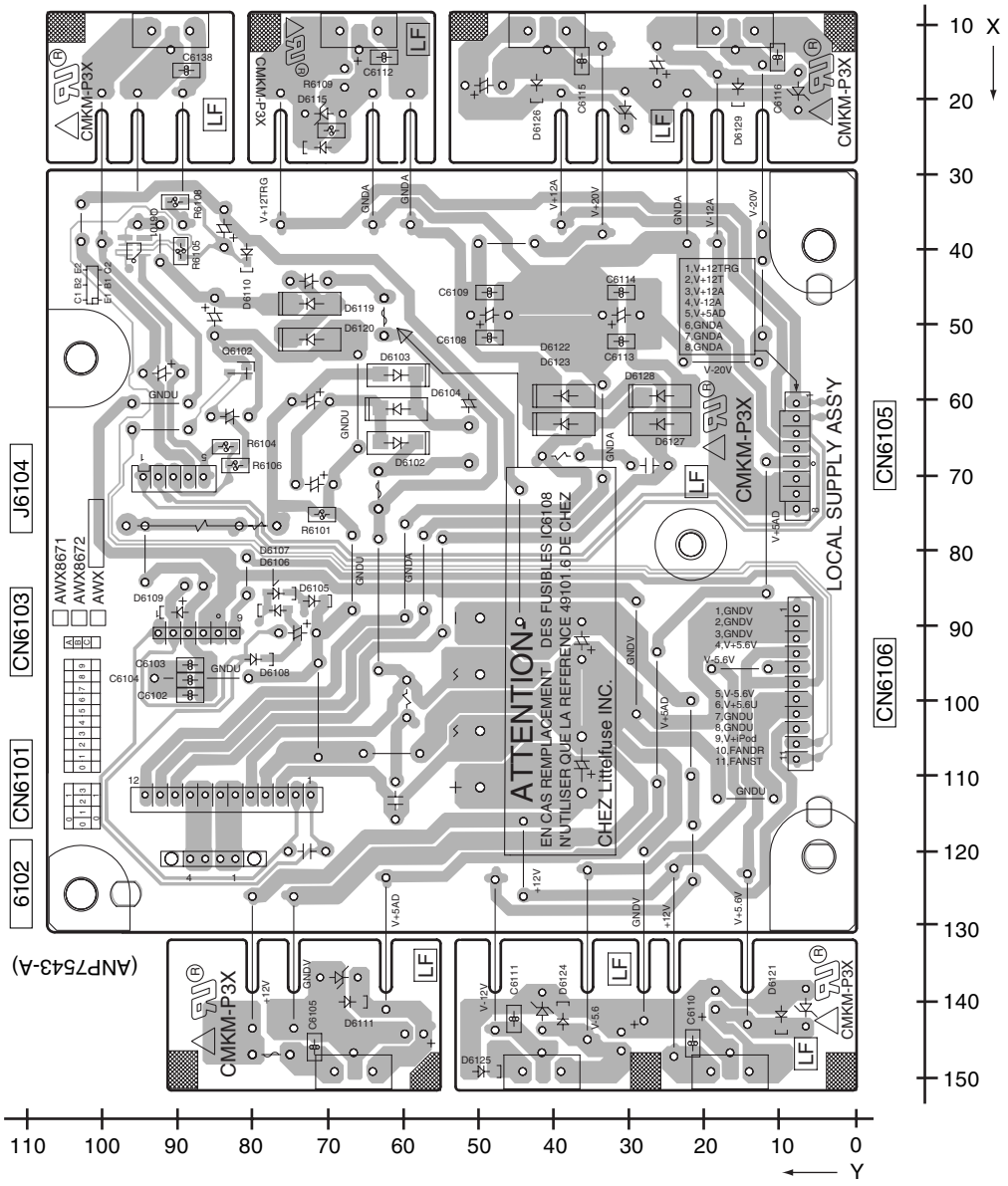
S T

S T

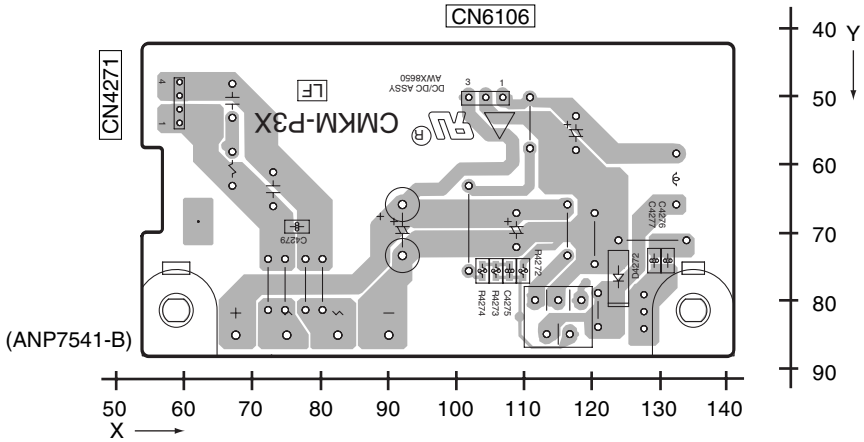
SIDE B

SIDE B

S LOCAL SUPPLY ASSY



T DC/DC ASSY



S T

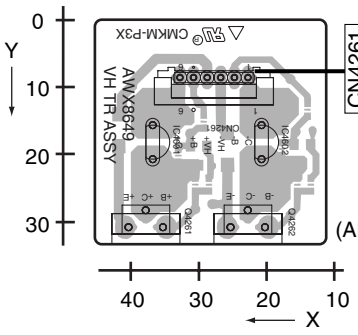
S T

4.17 TRANS2-1, VH TR, DIODE and TRANS2-2 ASSYS

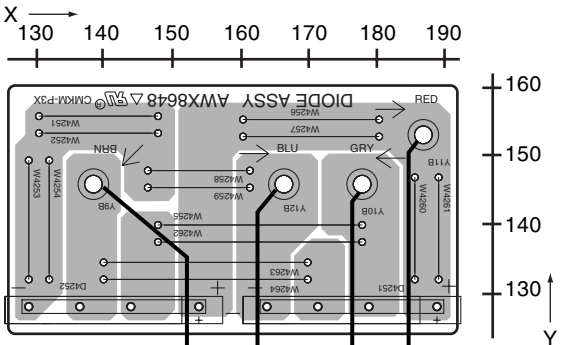
SIDE A

SIDE A

V VH TR ASSY



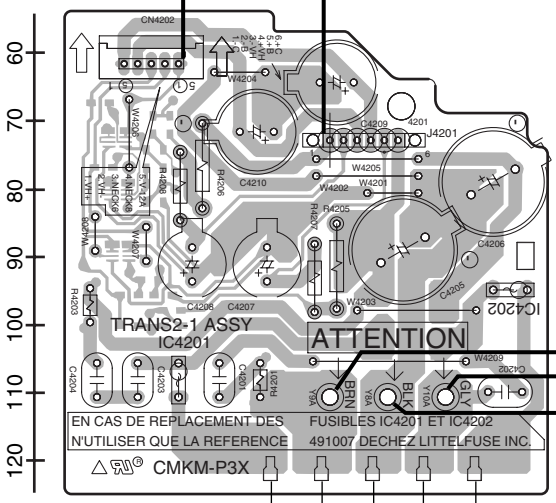
W DIODE ASSY



O 5604

CN4202 J4201

U TRANS2-1 ASSY



Y9 Y12 Y10 Y11

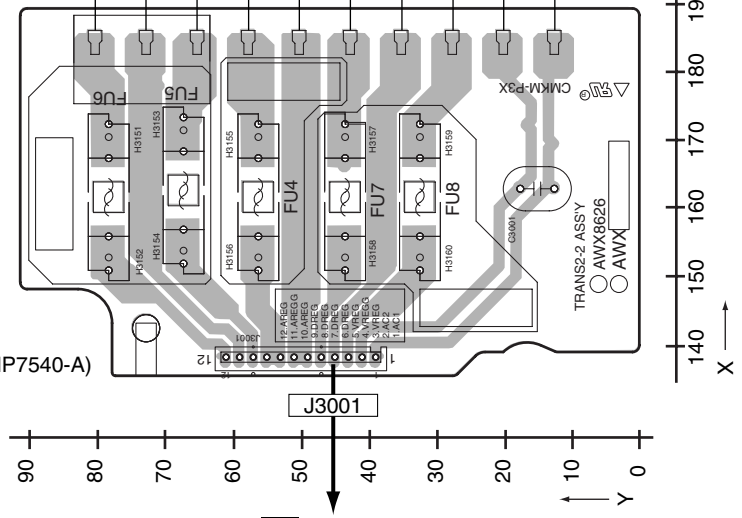
X Y12 X Y11

Y9 Y10 Y8 X Y8

Z TRANS 1 ASSY

POWER TRANSFORMER

Y TRANS2-2 ASSY



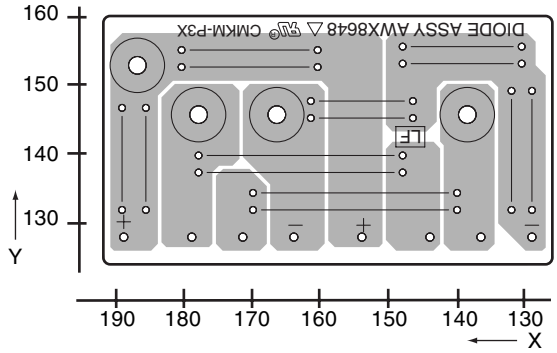
J3001

S CN6101

U V W Y U V W Y

SIDE B

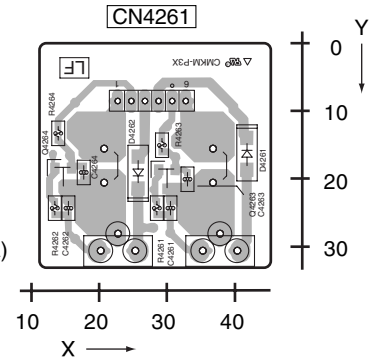
W DIODE ASSY



(ANP7540-A)

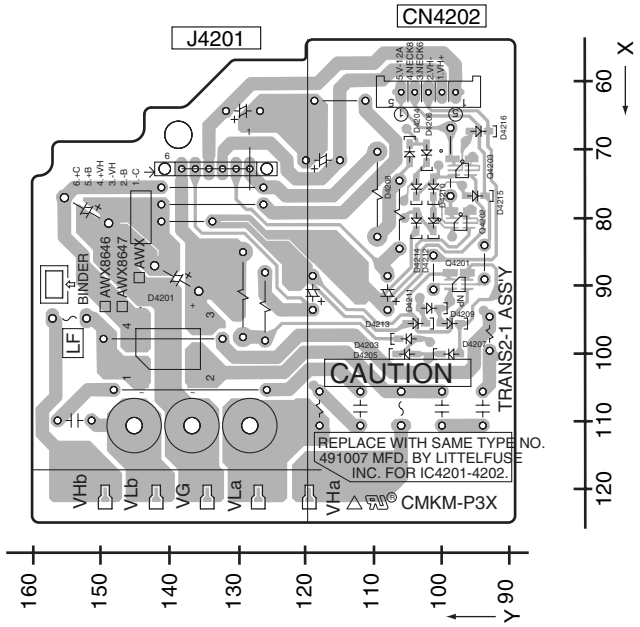
SIDE B

V VH TR ASSY

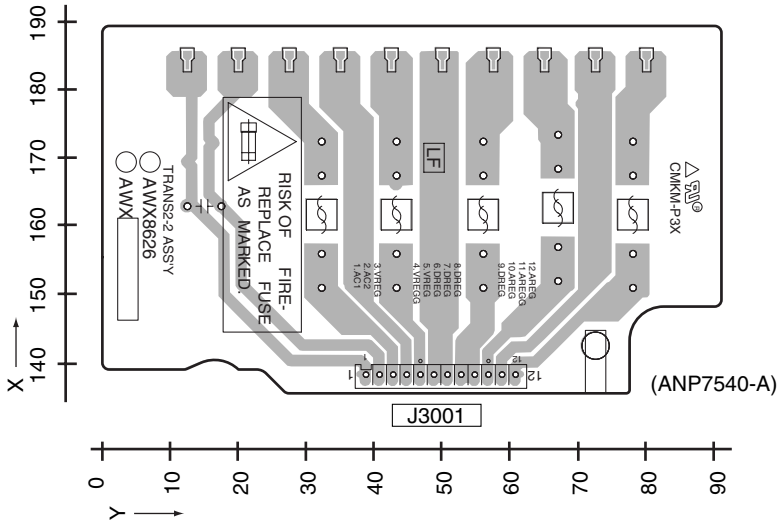


(ANP7540-A)

U TRANS2-1 ASSY



Y TRANS2-2 ASSY



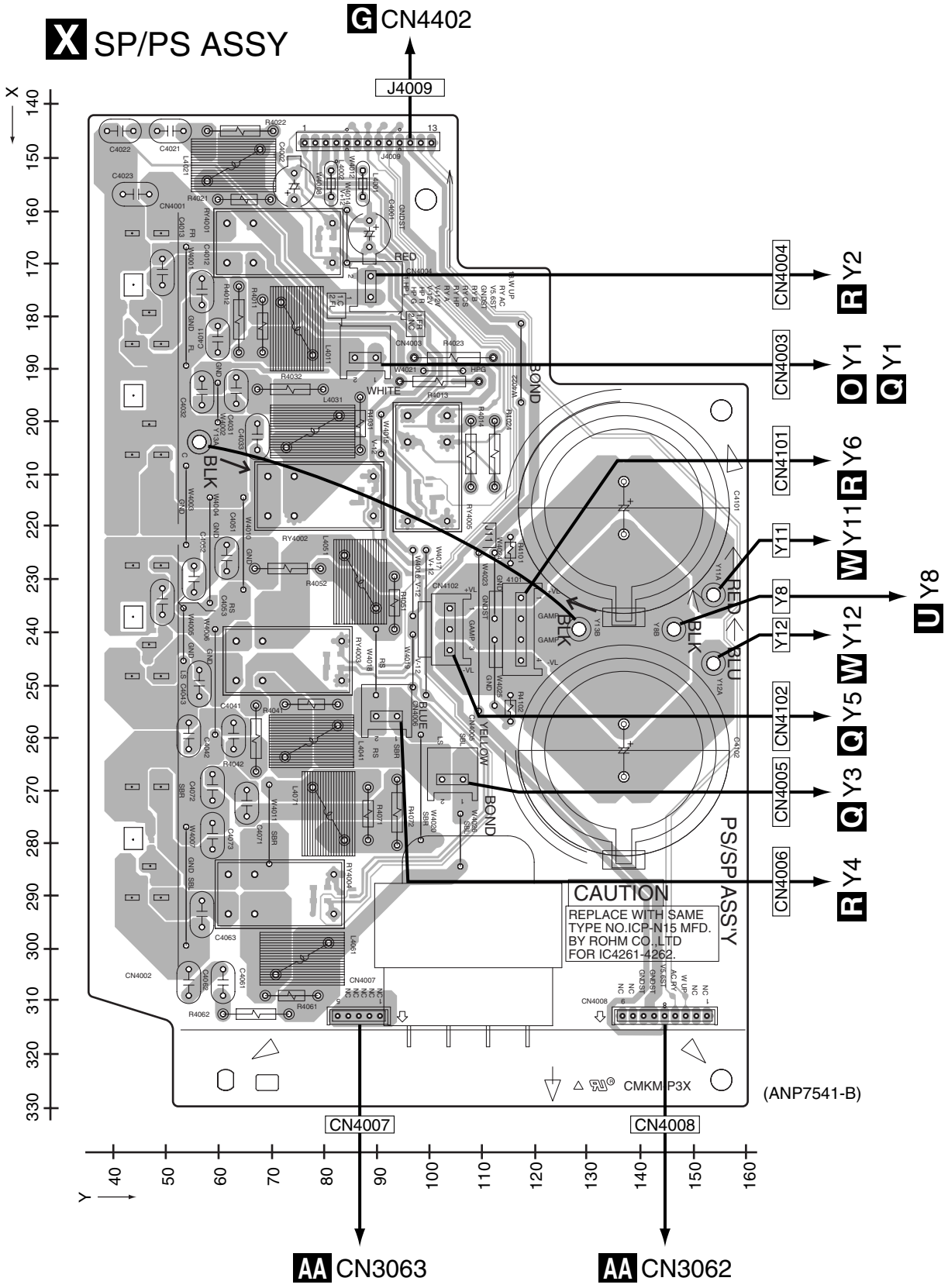
(ANP7540-A)

U V W Y

U V W Y

4.18 SP/PS ASSY

SIDE A **SIDE A**

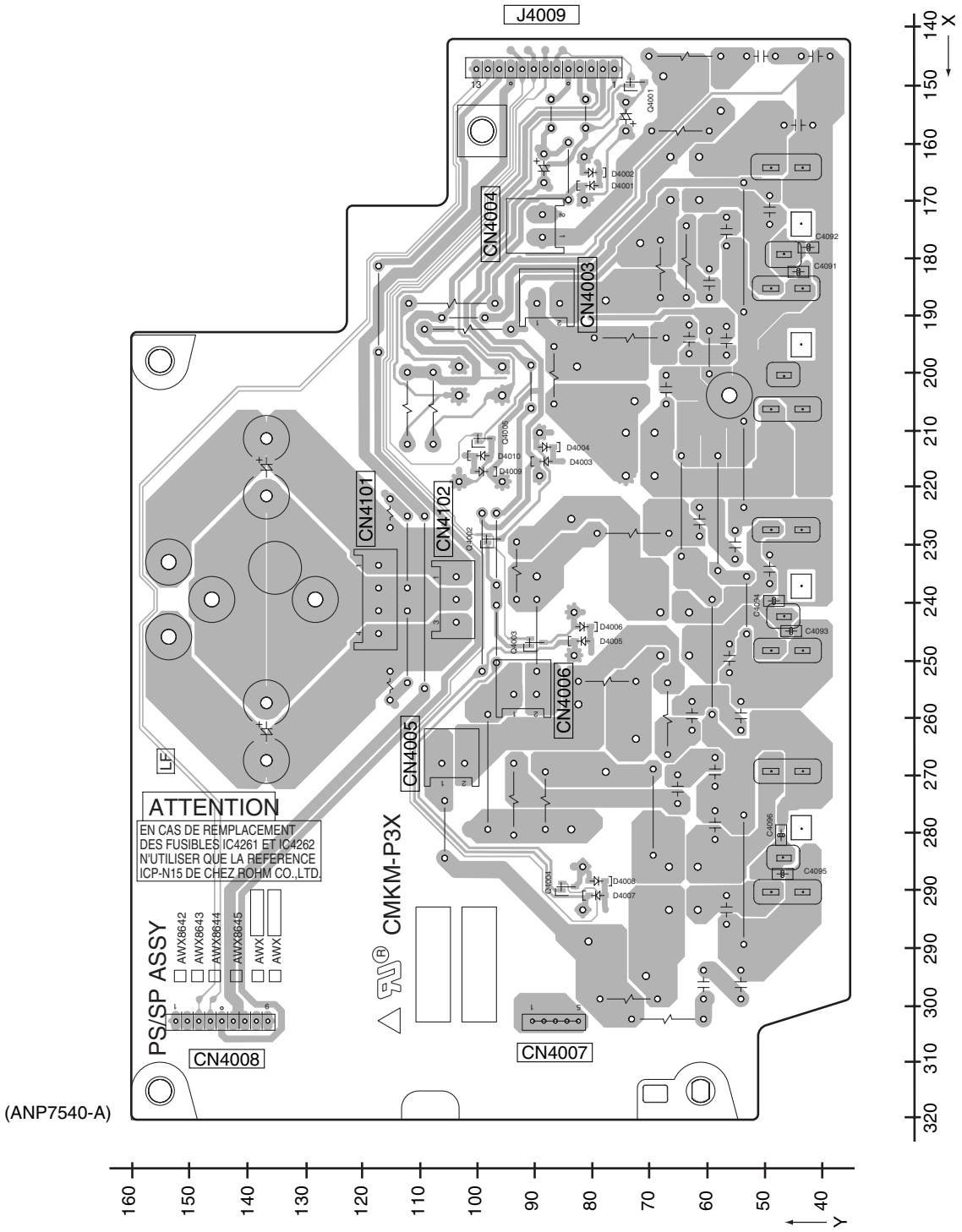


SIDE B

SIDE B

A B C D E F

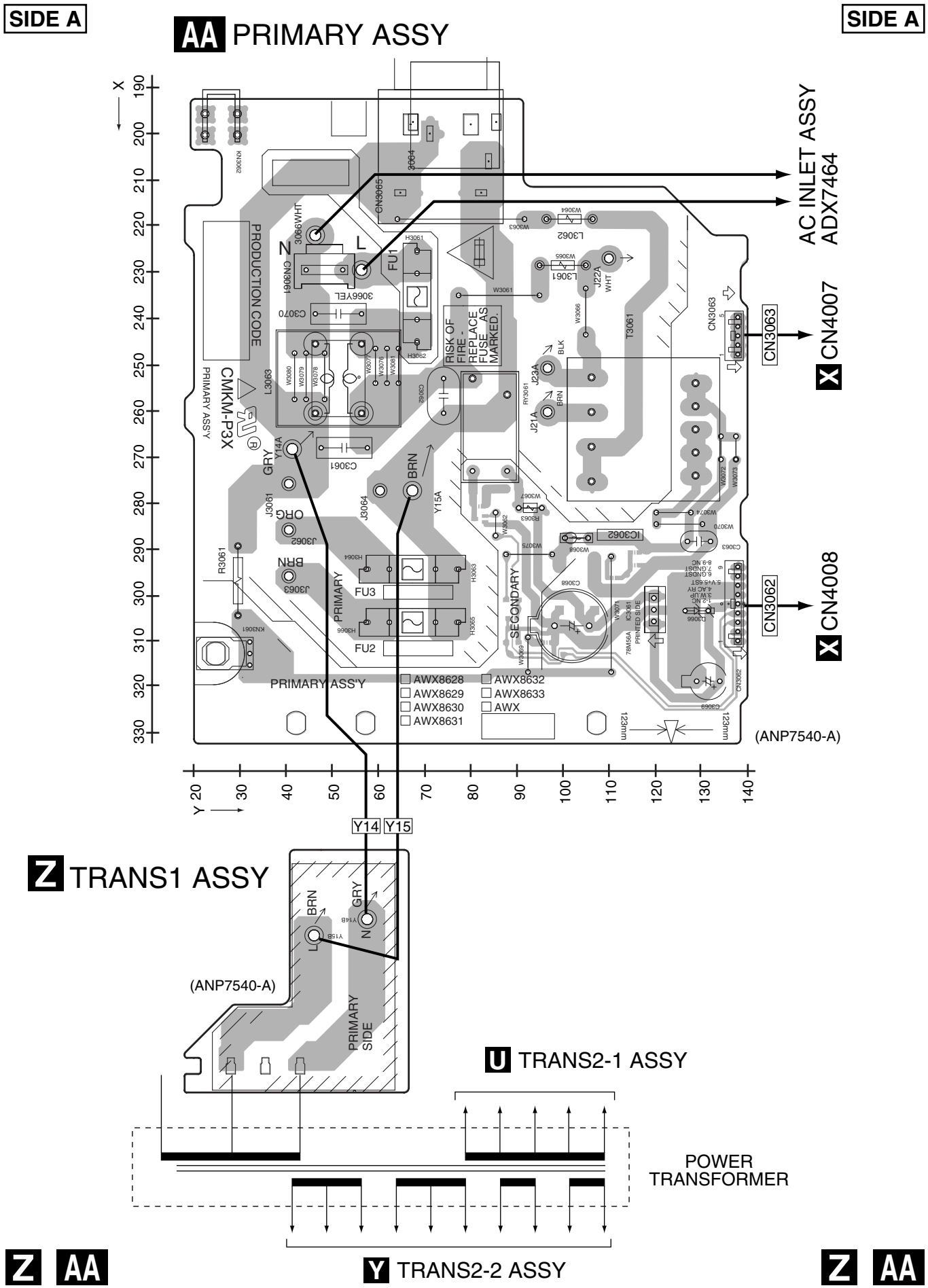
X SP/PS ASSY



(ANP7540-A)

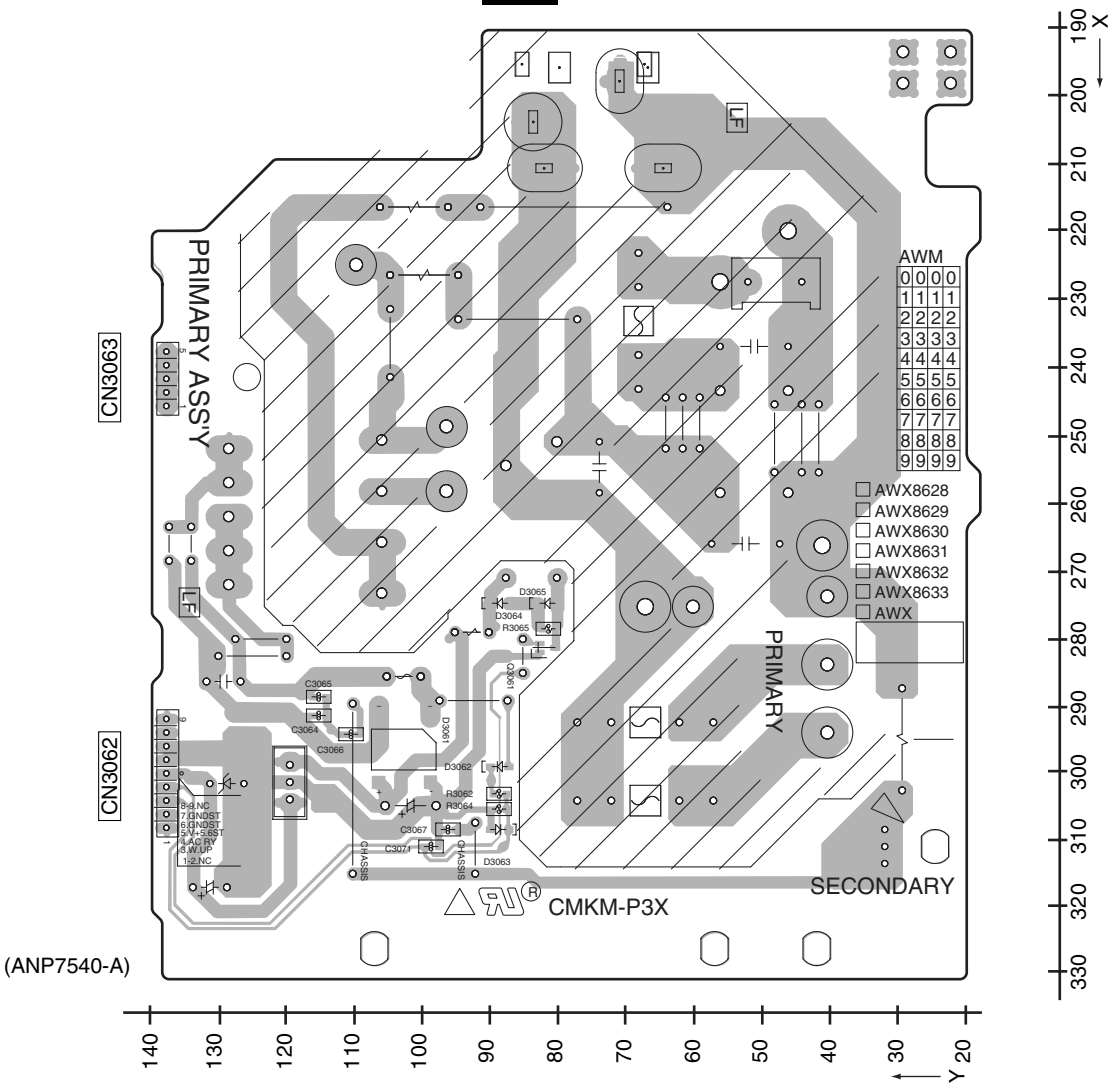
5 6 7 8

4.19 TRANS1 and PRIMARY ASSYS

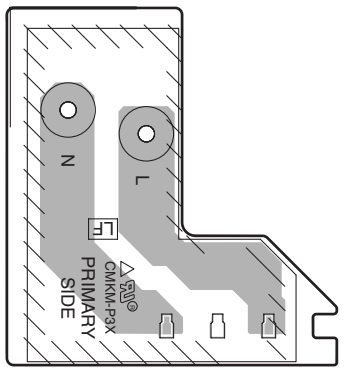


SIDE B

AA PRIMARY ASSY



Z TRANS1 ASSY



● Line Voltage Selection

Line Voltage can be changed by the following modification:

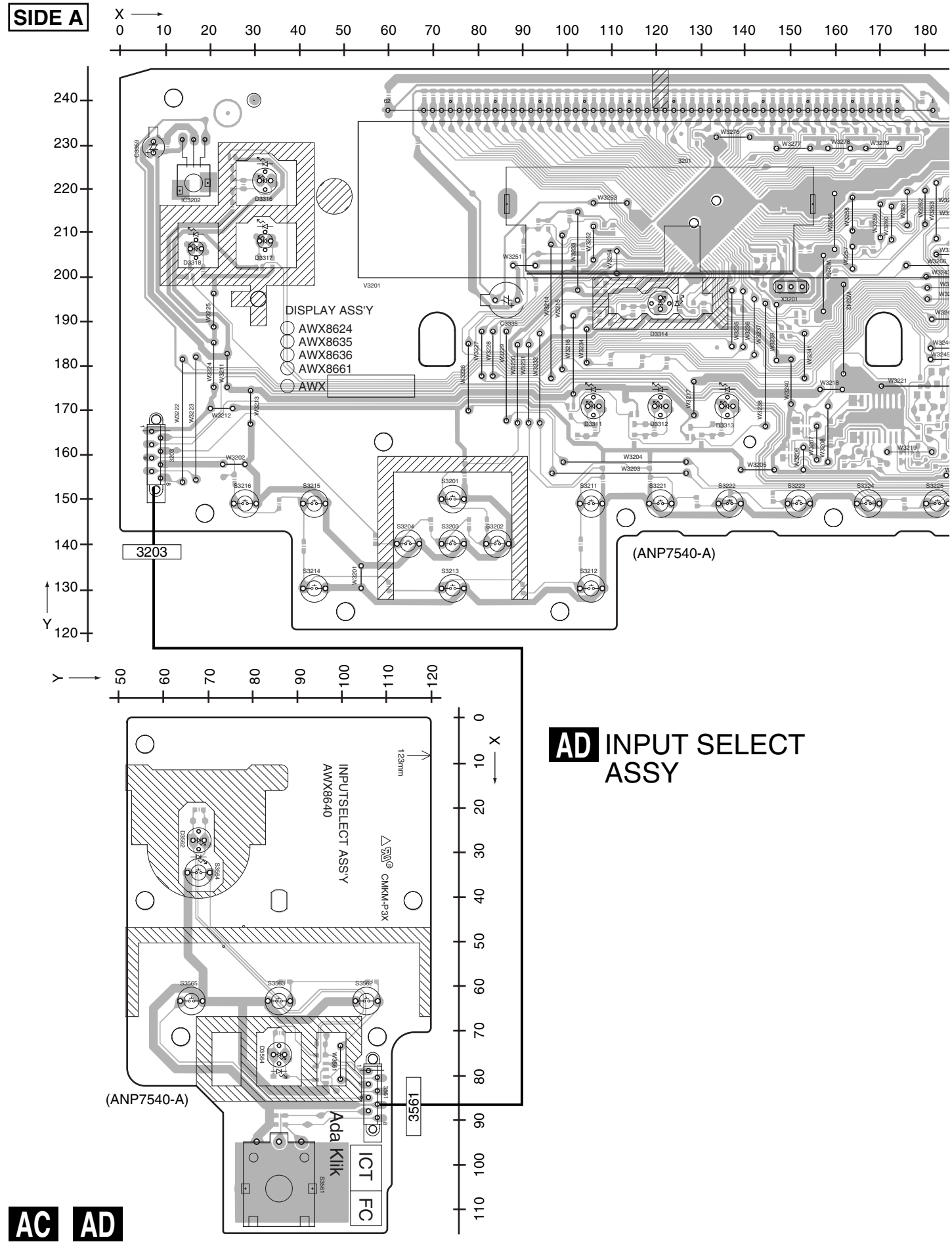
1. Disconnect the AC power cord.
2. Remove the cover.
3. Change the connection wire from TRANS 1 ASSY to PRIMARY ASSY (Terminal No. Y15) as follows.

Voltage	Terminal No.
220-230V	Y15 of TRANS 1 ASSY
240V	240V terminal of power transformer

4. Stick a line voltage label on the rear panel.

Description	Part No.
220V label	AAX-193
240V label	AAX-192

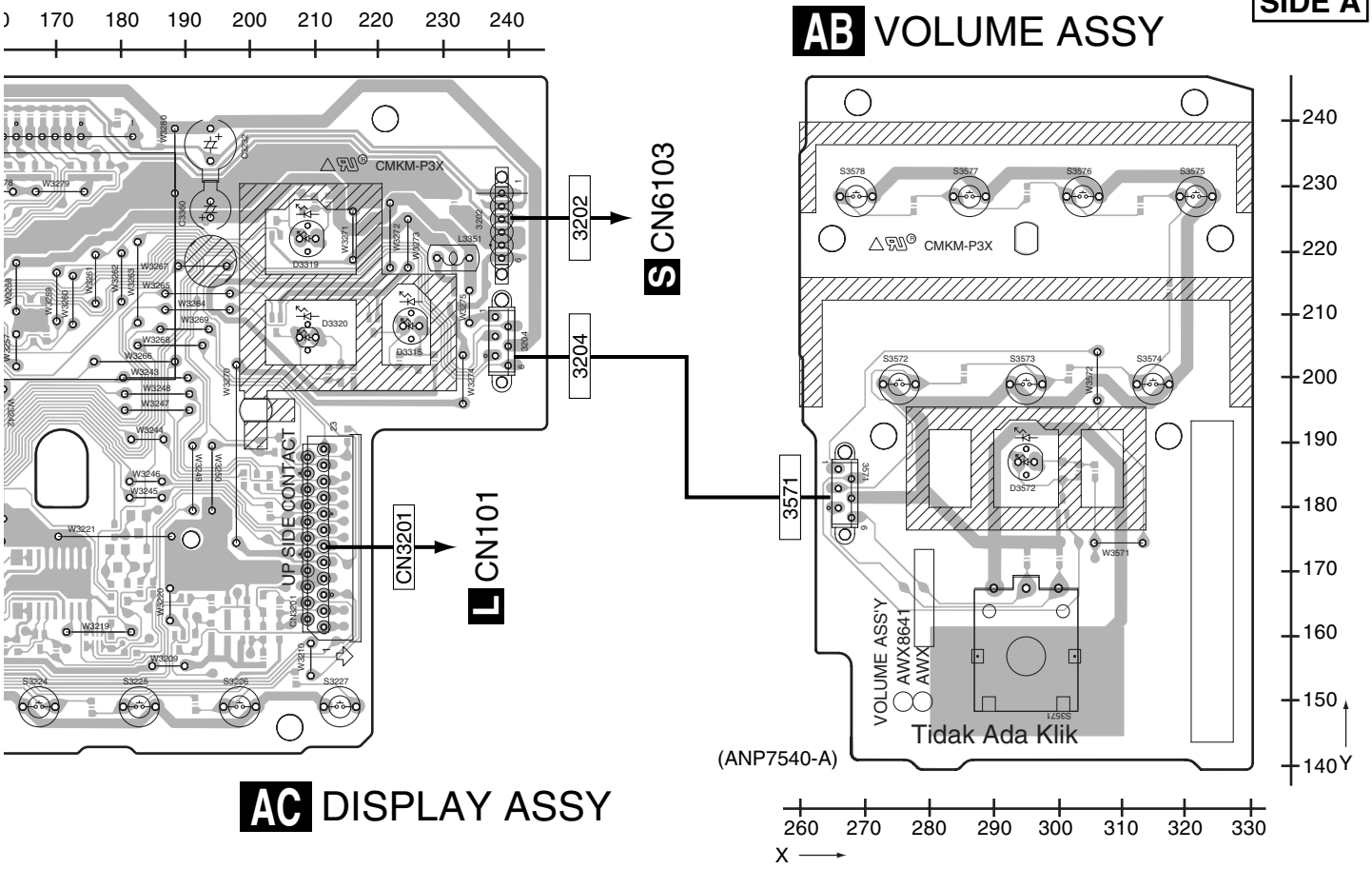
4.20 VOLUME, DISPLAY and INPUT SELECT ASSYS



AD INPUT SELECT ASSY

AC **AD**

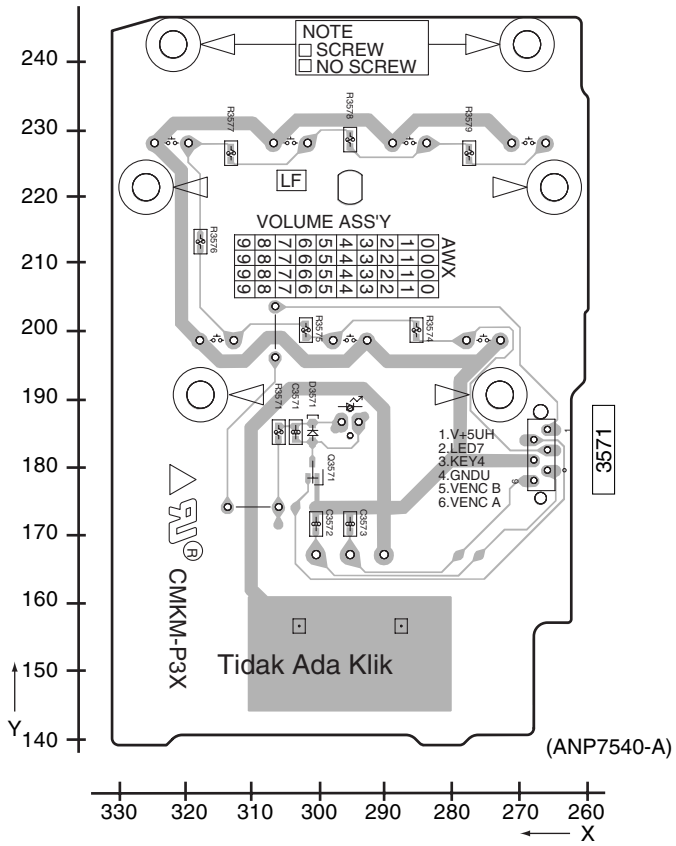
SIDE A

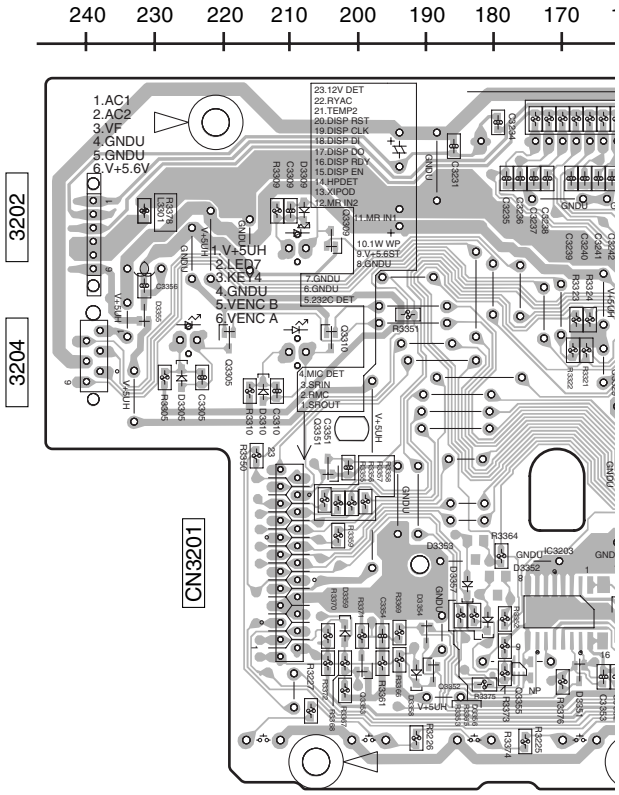

AB VOLUME ASSY
AC DISPLAY ASSY
S CN6103
L CN101
3202
3204
3571
CN3201
UP SIDE CONTACT
CMKM-P3X
VOLUME ASS'Y
AWX8641
AWX
Tidak Ada Klik
(ANP7540-A)
X
Y

AB AC

SIDE B

AB VOLUME ASSY

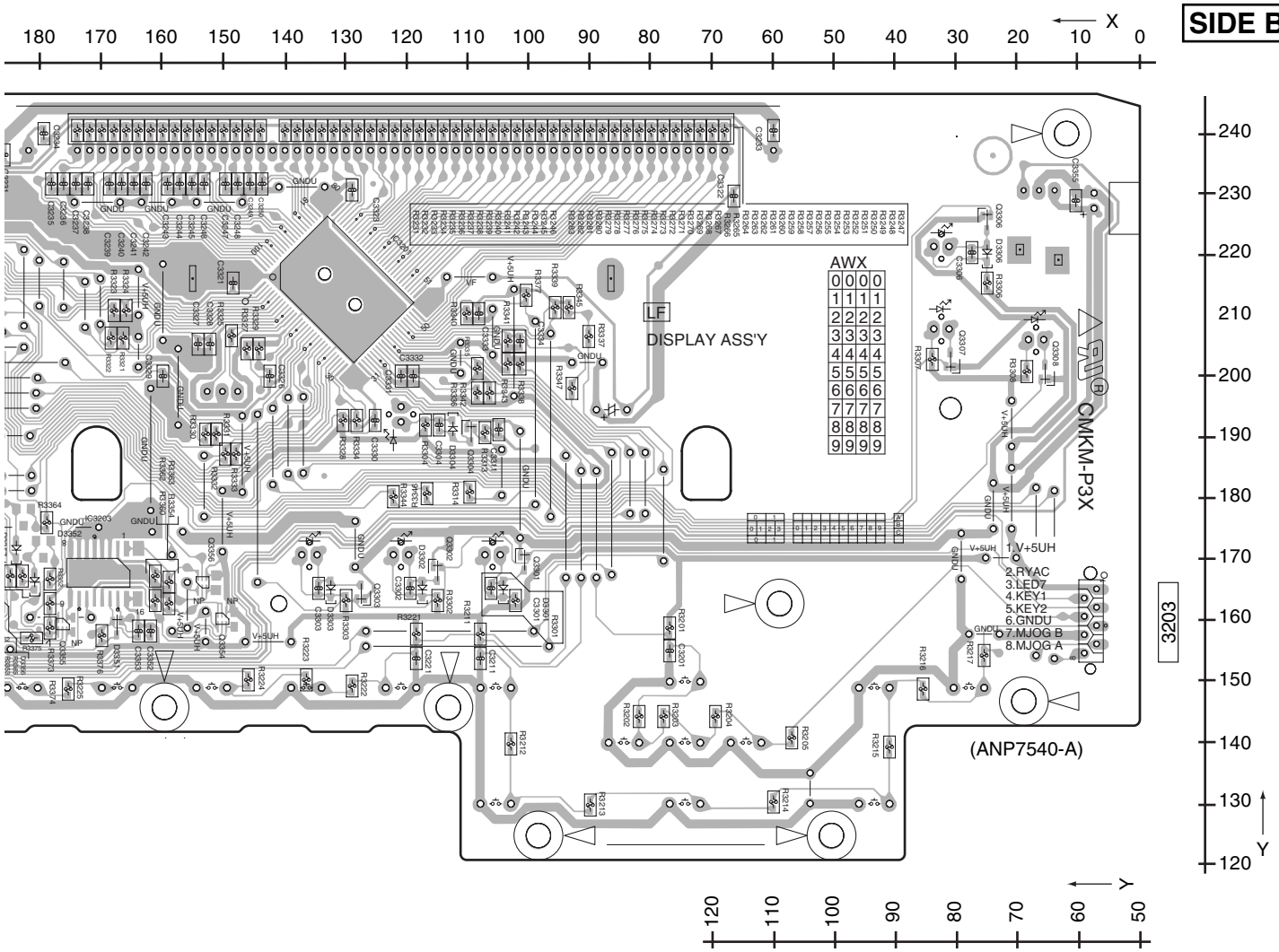


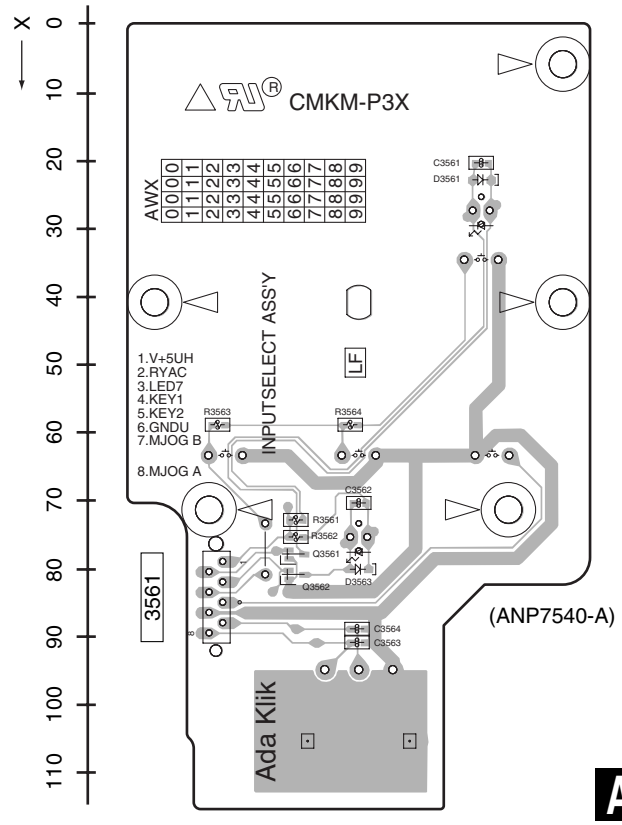


AC DISPLAY ASSY

AB **AC**

SIDE B

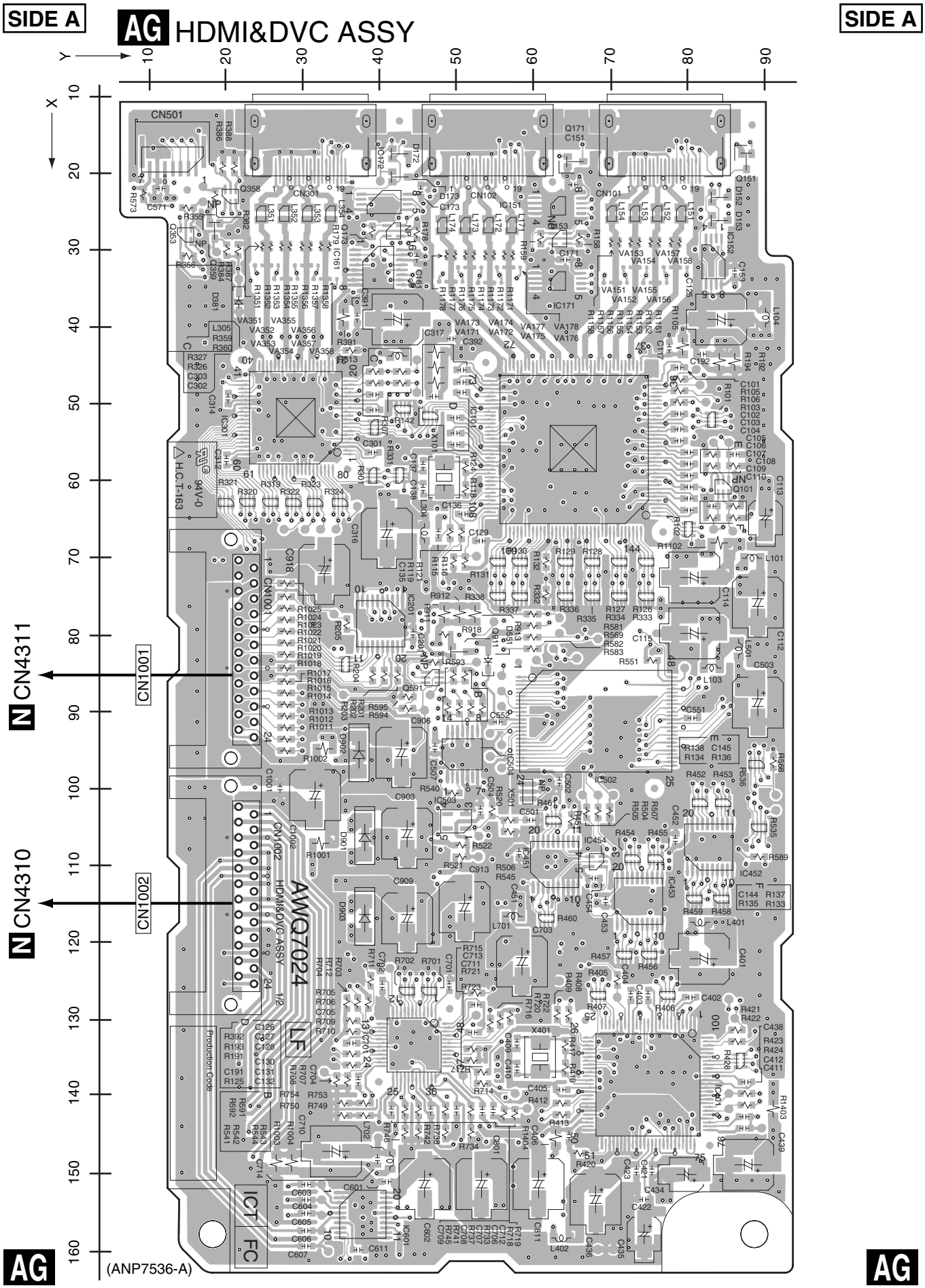




AD INPUT SELECT ASSY

AC AD

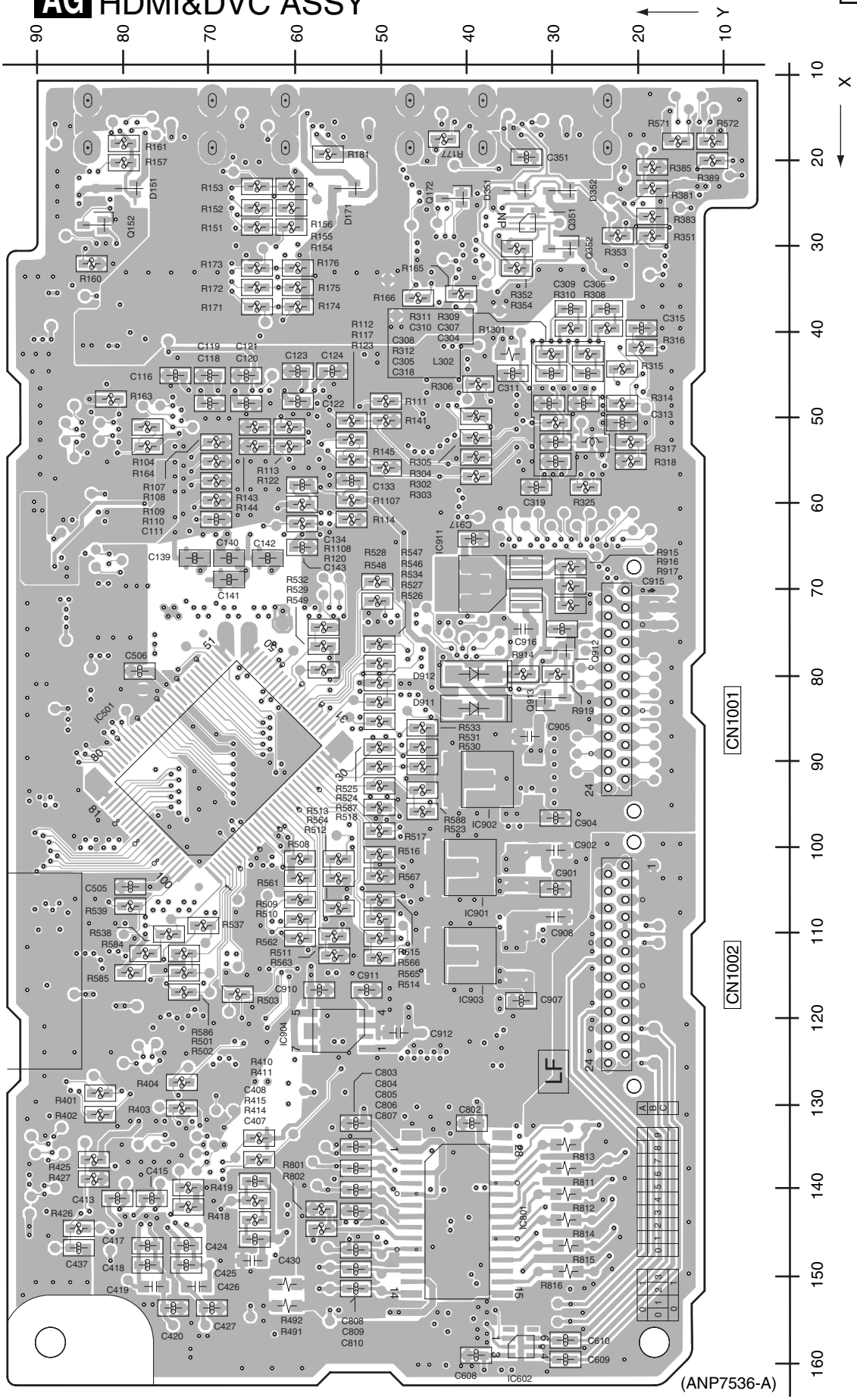
4.21 HDMI&DVC ASSY



SIDE B

AG HDMI&DVC ASSY

SIDE B



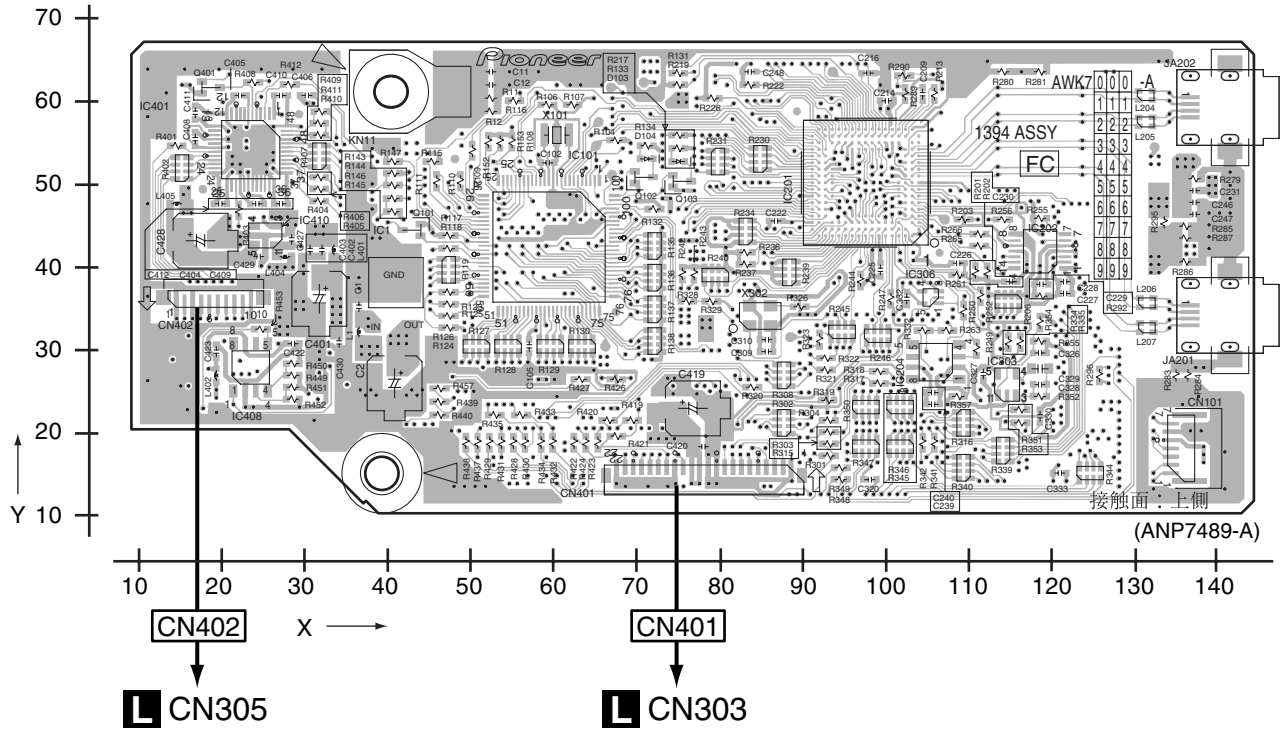
AG

AG

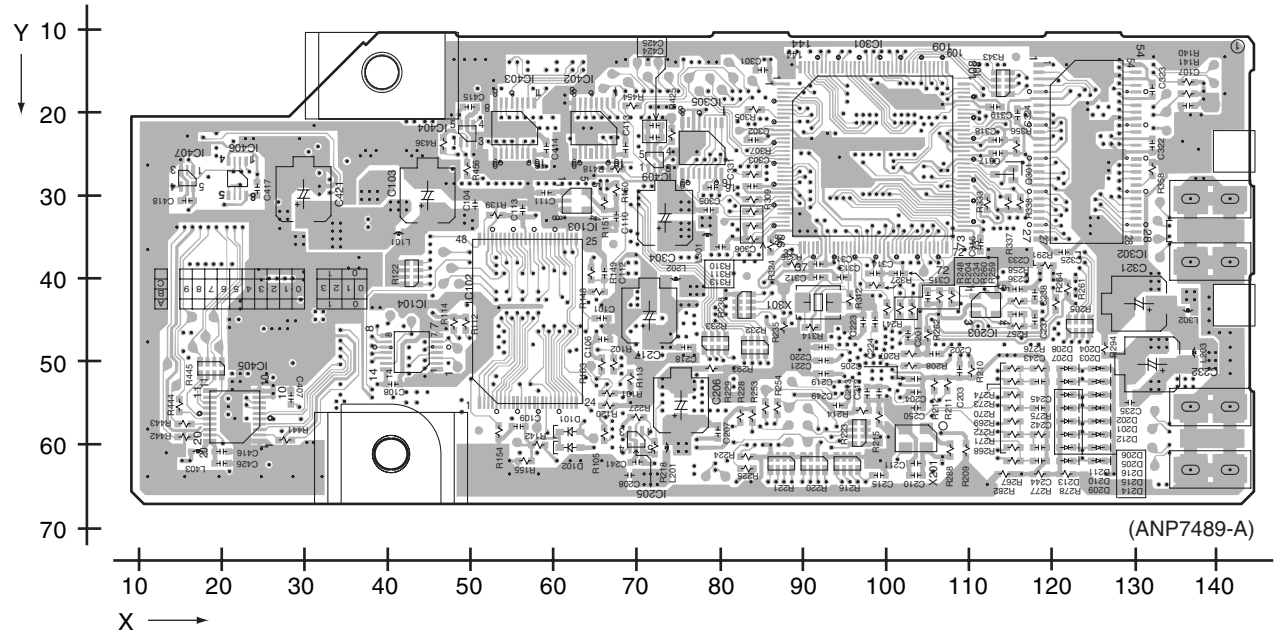
4.22 1394 ASSY

AF 1394 ASSY

SIDE A



SIDE B



AF AF

5. PCB PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω → 56 x 10^1 → 561 ····· RD1/4PU 5 6 1 J
47k Ω → 47 x 10^3 → 473 ····· RD1/4PU 4 7 3 J
0.5 Ω → R50 ····· RN2H R 5 0 K
1 Ω → 1R0 ····· RS1P 1 R 0 K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k Ω → 562 x 10^1 → 5621 ····· RN1/4PC 5 6 2 1 F

- *Meaning of the figures and others in the parentheses in the parts list.*

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

LIST OF ASSEMBLIES

Mark	Symbol and Description	VSX-AX4AVi-S/HYXJ	VSX-AX2AV-S/HYXJ
NSP	1..POWER AMP ASSY	AWH7008	AWH7008
	2..POWER AMP-L ASSY	AWX8655	AWX8655
	2..POWER AMP-R ASSY	AWX8657	AWX8657
	2..POWER PROTECT ASSY	AWX8659	AWX8659
	2..POWER AMP IN ASSY	AWX8662	AWX8662
NSP	2..BRIDGE1 ASSY	AWX8667	AWX8667
NSP	2..BRIDGE2 ASSY	AWX8668	AWX8668
	1..1394 ASSY	AWK7882	Not used
NSP	1..COMPLEX ASSY	AWM7976	AWM7980
	2..TRANS 2-2 ASSY	AWX8626	AWX8626
	2..PRIMARY ASSY	AWX8629	AWX8629
NSP	2..FFC GUARD (FRONT)	AWX8634	AWX8634
	2..DISPLAY ASSY	AWX8635	AWX8636
	2..FRONT-IN ASSY	AWX8638	AWX8638
	2..HEADPHONE ASSY	AWX8639	AWX8639
	2..INPUT SELECT ASSY	AWX8640	AWX8640
	2..VOLUME ASSY	AWX8641	AWX8641
	1..DIGITAL MOTHER ASSY	AWP7038	AWP7043
	1..HDMI & DVC ASSY	AWQ7024	AWQ7024
NSP	1..VIDEO ASSY	AWQ7033	AWQ7033
	2..COMPOSITE V ASSY	AWX8620	AWX8620
	2..S VIDEO ASSY	AWX8622	AWX8622
	2..PREOUT & CONTROL ASSY	AWX8689	AWX8689
	1..COMPONENT & VOL ASSY	AWQ7034	AWQ7035
NSP	1..SECONDARY ASSY	AWR7024	AWR7027
	2..SP/PS ASSY	AWX8643	AWX8645
	2..TRANS 2-1 ASSY	AWX8647	AWX8647
NSP	2..DIODE ASSY	AWX8648	AWX8648
	2..VH TR ASSY	AWX8649	AWX8649
	2..DC/DC ASSY	AWX8650	AWX8650
	2..INTERFACE ASSY	AWX8651	AWX8651
NSP	2..TRANS SIDE ASSY	AWX8652	AWX8652
NSP	1..AUDIO ASSY	AWR7031	AWR7031
	2..V-AUDIO ASSY	AWX8690	AWX8690
NSP	2..BRIDGE3 ASSY	AWX8669	AWX8669
	2..LOCAL SUPPLY ASSY	AWX8672	AWX8672
	2..AUDIO & MULTI CH IN ASSY	AWX8687	AWX8687
NSP	2..FFC GUARD (SIDE) ASSY	AWX8696	AWX8696
	1..DSP ASSY	AWX8599	AWX8599
	1..FM/AM TUNER MODULE	AXX7170	AXX7170

■ CONTRAST OF PCB ASSEMBLIES

X SP/PS ASSY

AWX8645 and AWX8643 are constructed the same except for the following :

Mark	Symbol and Description	AWX8643	AWX8645
	C4101, C4102 (15000/71)	ACH7218	Not used
	C4101, C4102 (10000/71)	Not used	ACH7255

AC DISPLAY ASSY

AWX8636 and AWX8635 are constructed the same except for the following :

Mark	Symbol and Description	AWX8635	AWX8636
	D3315	SLR-343BBT	SLI-343URW
	R3305	RS1/16S391J	RS1/16S331J

■ PCB PARTS LIST FOR VSX-AX4AVi-S UNLESS OTHER WISE NOTED

Mark	No.	Description	Part No.

POWER AMP ASSY

MISCELLANEOUS

J	13	JUMPER WIRE	D20PDY0525E
Y	6	LEAD WITH HOUSING	ADX7498
Y	3	LEAD WITH HOUSING	ADX7458
Y	1	LEAD WITH HOUSING	ADX7459
Y	2	LEAD WITH HOUSING	ADX7457
Y	5	LEAD WITH HOUSING	ADX7404
Y	4	LEAD WITH HOUSING	ADX7460

COMPLEX ASSY

MISCELLANEOUS

J	3	JUMPER WIRE	D20PDY0620E
J	9	JUMPER WIRE	D15A06-150-2651
J	10	JUMPER WIRE	D15A08-150-2651
Y	15	AWG18 BOARD IN	ADX7491
Y	14	AWG18 BOARD IN	ADX7490

SECONDARY ASSY

MISCELLANEOUS

Y	8	AWG14 BOARD IN	ADX7451
Y	9	AWG14 BOARD IN	ADX7488
Y	10	AWG14 BOARD IN	ADX7489
Y	11	AWG14 BOARD IN	ADX7454
Y	12	AWG14 BOARD IN	ADX7455

FFC GUARD (FRONT) ASSY

MISCELLANEOUS

3151	(A,205 ,20)	PCB BINDER	VEF1040
3152	(A,285 ,14)	PCB BINDER	VEF1040

FFC GUARD (SIDE) ASSY

MISCELLANEOUS

5861	(A,171 ,77)	PCB BINDER	VEF1040
5862	(A,171 ,32)	PCB BINDER	VEF1040

A AUDIO & MULTI CH IN ASSY

MISCELLANEOUS

IC	6201(B,71 ,191)	AUDIO IC	BD3841FS
IC	6203(B,130 ,185)	OP-AMP IC	BA4560RF
L	6201(B,19 ,215)	CHIP SOLID INDUCTOR	QTL1013
L	6207(B,38 ,172)	CHIP BEADS	VTL1083
L	6208(B,83 ,178)	CHIP BEADS	VTL1083
JA	6201(A,14 ,227)	JACK	RKN1004
CN	6202(A,20 ,187)	13P SOCKET	XKP3077
CN	6203(A,109 ,174)	23P SOCKET	XKP3082
CN	6204(A,66 ,174)	17P SOCKET	XKP3079
CN	6205(A,133 ,230)	PIN JACK(4P)	AKB7172
CN	6207(A,91 ,230)	PIN JACK(4P)	AKB7172
CN	6208(A,63 ,230)	PIN JACK(4P)	AKB7172
CN	6209(A,35 ,230)	PIN JACK(4P)	AKB7172
	6201(A,141 ,173)	PCB BINDER	VEF1040

RESISTORS

R	6201(B,122 ,215)		RS1/16S473J
R	6202(B,126 ,215)		RS1/16S473J
R	6205(B,96 ,215)		RS1/16S104J
R	6206(B,100 ,215)		RS1/16S104J
R	6207(B,82 ,215)		RS1/16S473J
R	6208(B,86 ,215)		RS1/16S473J
R	6209(B,68 ,215)		RS1/16S473J
R	6210(B,72 ,215)		RS1/16S473J
R	6211(B,54 ,215)		RS1/16S473J
R	6212(B,58 ,215)		RS1/16S473J
R	6213(B,41 ,215)		RS1/16S473J
R	6214(B,45 ,215)		RS1/16S473J
R	6215(B,27 ,213)		RS1/16S473J
R	6216(B,31 ,213)		RS1/16S473J
R	6217(B,119 ,214)		RS1/16S331J
R	6218(B,128 ,214)		RS1/16S331J
R	6221(B,93 ,214)		RS1/16S222J
R	6222(B,102 ,214)		RS1/16S222J
R	6223(B,79 ,214)		RS1/16S331J
R	6224(B,88 ,214)		RS1/16S331J
R	6225(B,65 ,214)		RS1/16S331J
R	6226(B,74 ,214)		RS1/16S331J
R	6227(B,52 ,214)		RS1/16S331J
R	6228(B,61 ,214)		RS1/16S331J
R	6229(B,38 ,214)		RS1/16S331J

Mark No.	Description	Part No.
R 6230(B,47 ,214)		RS1/16S331J
R 6231(B,24 ,212)		RS1/16S331J
R 6232(B,33 ,212)		RS1/16S331J
R 6237(B,96 ,204)		RS1/16S154J
R 6238(B,100 ,204)		RS1/16S154J
R 6251(B,135 ,212)		RS1/16S104J
R 6252(B,139 ,212)		RS1/16S104J
R 6253(B,134 ,209)		RS1/16S561J
R 6254(B,140 ,209)		RS1/16S561J
R 6255(B,136 ,192)		RS1/16S104J
R 6256(B,141 ,181)		RS1/16S104J
R 6257(B,136 ,188)		RS1/16S561J
R 6258(B,136 ,182)		RS1/16S561J
R 6259(B,132 ,196)		RS1/16S394J
R 6260(B,134 ,177)		RS1/16S394J
R 6261(B,124 ,196)		RS1/16S303J
R 6262(B,126 ,177)		RS1/16S303J
R 6263(B,122 ,196)		RS1/16S471J
R 6264(B,124 ,177)		RS1/16S471J
R 6265(B,117 ,191)		RS1/16S224J
R 6266(B,117 ,176)		RS1/16S224J
R 6267(B,49 ,192)		RS1/16S101J
R 6268(B,51 ,191)		RS1/16S101J
R 6269(B,84 ,195)		RS1/16S0R0J
R 6270(B,84 ,193)		RS1/16S0R0J
R 6271(B,102 ,191)		RS1/16S473J
R 6272(B,100 ,191)		RS1/16S473J
R 6273(B,97 ,191)		RS1/16S473J
R 6274(B,95 ,191)		RS1/16S473J
R 6282(B,112 ,203)		RS1/16S105J
R 6283(B,110 ,203)		RS1/16S105J
R 6284(B,43 ,178)		RS1/16S473J
R 6285(B,41 ,176)		RS1/16S473J
R 6288(B,10 ,216)		RS1/16S0R0J

CAPACITORS

C 6201(B,124 ,221)	CCSRCH101J50
C 6202(B,127 ,221)	CCSRCH101J50
C 6205(B,96 ,221)	CCSRCH101J50
C 6206(B,99 ,221)	CCSRCH101J50
C 6207(B,82 ,221)	CCSRCH101J50
C 6208(B,85 ,221)	CCSRCH101J50
C 6209(B,68 ,221)	CCSRCH101J50
C 6210(B,71 ,221)	CCSRCH101J50
C 6211(B,54 ,221)	CCSRCH101J50
C 6212(B,57 ,221)	CCSRCH101J50
C 6213(B,40 ,221)	CCSRCH101J50
C 6214(B,43 ,221)	CCSRCH101J50
C 6215(B,26 ,221)	CCSRCH101J50
C 6216(B,29 ,221)	CCSRCH101J50
C 6217(B,122 ,213)	CCSRCH151J50
C 6218(B,126 ,213)	CCSRCH151J50
C 6221(B,96 ,213)	CCSRCH220J50
C 6222(B,100 ,213)	CCSRCH220J50
C 6223(B,82 ,213)	CCSRCH151J50
C 6224(B,86 ,213)	CCSRCH151J50
C 6225(B,68 ,213)	CCSRCH151J50
C 6226(B,72 ,213)	CCSRCH151J50
C 6227(B,54 ,213)	CCSRCH101J50
C 6228(B,58 ,213)	CCSRCH101J50
C 6229(B,41 ,213)	CCSRCH101J50
C 6230(B,45 ,213)	CCSRCH101J50
C 6231(B,27 ,211)	CCSRCH101J50
C 6232(B,31 ,211)	CCSRCH101J50
C 6237(A,95 ,207)	CEAT100M50
C 6238(A,101 ,207)	CEAT100M50
C 6249(B,138 ,221)	CCSRCH221J50
C 6250(B,141 ,221)	CCSRCH221J50
C 6251(A,134 ,201)	CEAT100M50
C 6252(A,140 ,201)	CEAT100M50
C 6253(B,134 ,192)	CCSRCH331J50
C 6254(B,143 ,181)	CCSRCH331J50
C 6255(A,139 ,189)	CEAT470M16
C 6256(A,139 ,181)	CEAT470M16
C 6257(B,134 ,188)	CCSRCH561J50
C 6258(B,134 ,182)	CCSRCH561J50
C 6259(B,130 ,196)	CKSRYB822K50
C 6260(B,132 ,177)	CKSRYB822K50
C 6261(B,128 ,196)	CKSRYB122K50
C 6262(B,130 ,177)	CKSRYB122K50
C 6263(A,120 ,194)	CEAT100M50
C 6264(A,120 ,174)	CEAT100M50
C 6265(A,122 ,181)	CEAT470M16
C 6266(A,122 ,187)	CEAT470M16
C 6267(B,53 ,190)	CCSRCH101J50
C 6268(B,55 ,190)	CCSRCH101J50
C 6269(B,67 ,182)	CKSRYB103K50
C 6270(B,69 ,182)	CKSRYB103K50
C 6279(B,130 ,222)	CKSRYB103K50
C 6281(B,19 ,222)	CKSRYB103K50
C 6283(B,132 ,222)	CKSRYB104K16
C 6284(B,91 ,224)	CKSRYB103K50
C 6285(B,64 ,223)	CKSRYB103K50
C 6286(B,35 ,224)	CKSRYB104K16
C 6291(B,134 ,222)	CKSRYB471K50
C 6292(B,33 ,224)	CKSRYB471K50
C 6293(B,126 ,196)	CKSRYB122K50
C 6294(B,128 ,177)	CKSRYB122K50
C 6295(A,78 ,180)	CEAT470M16
C 6296(A,73 ,172)	CEAT470M16

B V-AUDIO ASSY

MISCELLANEOUS

IC 6301(B,53 ,148) AUDIO IC	BD3841FS
Q 6301(B,13 ,143) TRANSISTOR	IMX25
JA 6301(A,26 ,107) PIN JACK(6P)	AKB7174
CN6301(A,121 ,143) 6P SOCKET	KP200TA6L
CN6302(A,38 ,163) 23P SOCKET	XKP3082
CN6307(A,61 ,107) PIN JACK(4P)	AKB7172
CN6308(A,89 ,107) PIN JACK(4P)	AKB7172
CN6309(A,117 ,107) PIN JACK(4P)	AKB7172

RESISTORS

R 6301(B,23 ,127)	RS1/16S473J
R 6302(B,19 ,127)	RS1/16S473J
R 6303(B,26 ,128)	RS1/16S331J
R 6304(B,17 ,128)	RS1/16S331J
R 6307(B,36 ,127)	RS1/16S473J
R 6308(B,32 ,127)	RS1/16S473J
R 6309(B,39 ,128)	RS1/16S331J

Mark	No.	Description	Part No.
	R 6310(B,30 ,128)		RS1/16S331J
	R 6313(B,49 ,127)		RS1/16S473J
	R 6314(B,45 ,127)		RS1/16S473J
	R 6315(B,52 ,128)		RS1/16S331J
	R 6316(B,43 ,128)		RS1/16S331J
	R 6319(B,62 ,127)		RS1/16S473J
	R 6320(B,58 ,127)		RS1/16S473J
	R 6321(B,65 ,128)		RS1/16S331J
	R 6322(B,55 ,128)		RS1/16S331J
	R 6325(B,75 ,127)		RS1/16S104J
	R 6326(B,71 ,127)		RS1/16S104J
	R 6327(B,78 ,128)		RS1/16S222J
	R 6328(B,69 ,128)		RS1/16S222J
	R 6329(B,75 ,134)		RS1/16S154J
	R 6330(B,71 ,134)		RS1/16S154J
	R 6331(B,88 ,127)		RS1/16S473J
	R 6332(B,84 ,127)		RS1/16S473J
	R 6333(B,91 ,128)		RS1/16S331J
	R 6334(B,82 ,128)		RS1/16S331J
	R 6337(B,101 ,127)		RS1/16S104J
	R 6338(B,97 ,127)		RS1/16S104J
	R 6339(B,104 ,128)		RS1/16S222J
	R 6340(B,95 ,128)		RS1/16S222J
	R 6341(B,101 ,134)		RS1/16S154J
	R 6342(B,97 ,134)		RS1/16S154J
	R 6343(B,113 ,133)		RS1/16S473J
	R 6344(B,109 ,127)		RS1/16S473J
	R 6345(B,113 ,135)		RS1/16S331J
	R 6346(B,109 ,129)		RS1/16S331J
	R 6351(B,13 ,131)		RS1/16S102J
	R 6352(B,9 ,136)		RS1/16S102J
	R 6353(B,18 ,149)		RS1/16S103J
	R 6354(B,8 ,149)		RS1/16S103J
	R 6355(B,20 ,155)		RS1/16S102J
	R 6356(B,11 ,158)		RS1/16S102J
	R 6361(B,106 ,145)		RS1/16S101J
	R 6362(B,73 ,148)		RS1/16S101J
	R 6367(B,116 ,155)		RS1/16S0R0J
	R 6368(B,107 ,162)		RS1/16S0R0J
	R 6369(B,106 ,166)		RS1/16S0R0J
	R 6370(B,105 ,162)		RS1/16S0R0J
	R 6371(B,72 ,159)		RS1/16S0R0J
	R 6372(B,74 ,159)		RS1/16S0R0J
	R 6373(B,76 ,159)		RS1/16S0R0J
	R 6374(B,73 ,156)		RS1/16S0R0J
	R 6375(B,73 ,154)		RS1/16S0R0J
	R 6381(B,41 ,153)		RS1/16S473J
	R 6382(B,43 ,152)		RS1/16S473J
	R 6383(B,35 ,165)		RS1/16S0R0J
	R 6384(B,68 ,166)		RS1/16S0R0J
	R 6391		RS1/16S0R0J
	R 6392		RS1/16S0R0J
	CAPACITORS		
	C 6301(B,28 ,116)		CCSRCH101J50
	C 6302(B,23 ,116)		CCSRCH101J50
	C 6303(B,23 ,129)		CCSRCH101J50
	C 6304(B,19 ,129)		CCSRCH101J50
	C 6307(B,42 ,116)		CCSRCH101J50
	C 6308(B,37 ,116)		CCSRCH101J50

Mark	No.	Description	Part No.
	C 6309(B,36 ,129)		CCSRCH101J50
	C 6310(B,32 ,129)		CCSRCH101J50
	C 6313(B,56 ,116)		CCSRCH101J50
	C 6314(B,51 ,116)		CCSRCH101J50
	C 6315(B,49 ,129)		CCSRCH101J50
	C 6316(B,45 ,129)		CCSRCH101J50
	C 6319(B,70 ,116)		CCSRCH101J50
	C 6320(B,65 ,116)		CCSRCH101J50
	C 6321(B,62 ,129)		CCSRCH101J50
	C 6322(B,58 ,129)		CCSRCH101J50
	C 6325(B,83 ,114)		CCSRCH101J50
	C 6326(B,79 ,113)		CCSRCH101J50
	C 6327(B,75 ,129)		CCSRCH220J50
	C 6328(B,71 ,129)		CCSRCH220J50
	C 6329(A,77 ,137)		CEAT100M50
	C 6330(A,70 ,137)		CEAT100M50
	C 6331(B,98 ,116)		CCSRCH101J50
	C 6332(B,93 ,116)		CCSRCH101J50
	C 6333(B,88 ,129)		CCSRCH101J50
	C 6334(B,84 ,129)		CCSRCH101J50
	C 6337(B,111 ,114)		CCSRCH101J50
	C 6338(B,107 ,113)		CCSRCH101J50
	C 6339(B,101 ,129)		CCSRCH220J50
	C 6340(B,97 ,129)		CCSRCH220J50
	C 6341(A,103 ,137)		CEAT100M50
	C 6342(A,96 ,137)		CEAT100M50
	C 6343(B,126 ,116)		CCSRCH101J50
	C 6344(B,121 ,116)		CCSRCH101J50
	C 6345(B,113 ,137)		CCSRCH101J50
	C 6346(B,109 ,131)		CCSRCH101J50
	C 6349(B,33 ,114)		CKSRYB104K16
	C 6350(B,61 ,114)		CKSRYB104K16
	C 6351(B,89 ,114)		CKSRYB104K16
	C 6353(B,14 ,116)		CCSRCH331J50
	C 6354(B,9 ,116)		CCSRCH331J50
	C 6359(B,69 ,152)		CCSRCH101J50
	C 6360(B,71 ,151)		CCSRCH101J50
	C 6361(B,61 ,156)		CKSRYB103K50
	C 6362(B,58 ,157)		CKSRYB103K50
	C 6363(A,68 ,163)		CEAT470M16
	C 6364(A,85 ,166)		CEAT470M16
	C 6368(B,19 ,114)		CKSRYB103K50
	C 6369(B,22 ,111)		CKSRYB103K50
	C 6379(B,35 ,114)		CKSRYB471K50
	C 6380(B,63 ,114)		CKSRYB471K50
	C 6381(B,91 ,114)		CKSRYB471K50

C FRONT-IN ASSY

MISCELLANEOUS

	IC 3451(B,43 ,37)	OP-AMP IC	BA4560RF
	Q 3451(B,83 ,33)	CHIP TRANSISTOR	HN1C01FU
	D 3451(B,58 ,42)	DIODE	UDZS5R1(B)
	D 3452(B,60 ,42)	DIODE	UDZS5R1(B)
	D 3453(B,24 ,36)	DIODE	UDZS5R1(B)
	D 3454(B,35 ,31)	DIODE	DAN217
	L 3451(B,88 ,65)	CHIP BEADS	VTL1083
	L 3452(B,94 ,50)	CHIP BEADS	VTL1083
	L 3453(B,30 ,26)	CHIP SOLID INDUCTOR	QTL1013
	L 3455(B,88 ,24)	CHIP BEADS	VTL1083

Mark No.	Description	Part No.
JA3451(A,12 ,11)	JACK	RKN1004
JA3452(A,97 ,15)	FRONT AV INPUT	AKX7019
KN3451(A,13 ,39)	WRAPPING TERMINAL	VNF1084
KN3452(A,106 ,39)	WRAPPING TERMINAL	VNF1084
CN3451(A,102 ,53)	CONNECTOR	52045-1545

RESISTORS

R 3451(B,20 ,34)	RS1/16S682J
R 3452(B,14 ,28)	RS1/16S104J
R 3453(B,26 ,32)	RS1/16S101J
R 3454(B,32 ,31)	RS1/16S104J
R 3455(B,44 ,29)	RS1/16S333J
R 3456(B,39 ,29)	RS1/16S432J
R 3457(B,50 ,41)	RS1/16S432J
R 3458(B,45 ,44)	RS1/16S333J
R 3459(B,47 ,44)	RS1/16S101J
R 3460(B,7 ,19)	RS1/16S102J
R 3461(B,56 ,44)	RS1/16S104J
R 3462(B,44 ,23)	RS1/16S101J
R 3463(B,34 ,41)	RS1/16S102J
R 3465(B,58 ,46)	RS1/16S0R0J
R 3466(B,60 ,46)	RS1/16S0R0J
R 3467(B,63 ,48)	RS1/16S0R0J
R 3468(B,48 ,34)	RS1/16S0R0J
R 3471(B,53 ,27)	RS1/16S750J
R 3472(B,55 ,31)	RS1/16S0R0J
R 3473(B,60 ,26)	RS1/16S750J
R 3474(B,60 ,30)	RS1/16S0R0J
R 3475(B,65 ,24)	RS1/16S750J
R 3476(B,64 ,31)	RS1/16S0R0J
R 3480(B,47 ,29)	RS1/16S101J
R 3481(B,77 ,23)	RS1/16S104J
R 3482(B,105 ,23)	RS1/16S104J
R 3483(B,75 ,27)	RS1/16S221J
R 3484(B,101 ,27)	RS1/16S221J
R 3485(B,75 ,31)	RS1/16S104J
R 3486(B,93 ,24)	RS1/16S104J
R 3487(B,73 ,35)	RS1/16S221J
R 3488(B,93 ,28)	RS1/16S221J
R 3489(B,96 ,49)	RS1/16S101J
R 3490(B,101 ,47)	RS1/16S101J
R 3491(B,89 ,38)	RS1/16S153J
R 3492(B,91 ,38)	RS1/16S153J
R 3493(B,87 ,38)	RS1/16S470J
R 3494(B,101 ,43)	RS1/16S470J
R 3496(B,101 ,23)	RS1/16S0R0J
R 3497(B,78 ,26)	RS1/16S0R0J
R 3498(B,95 ,36)	RS1/16S0R0J
R 3499(B,97 ,36)	RS1/16S0R0J

CAPACITORS

C 3451(B,12 ,28)	CCSRCH471J50
C 3452(A,29 ,36)	CEAT100M50
C 3453(B,30 ,31)	CCSRCH101J50
C 3454(B,45 ,29)	CCSRCH220J50
C 3455(B,44 ,44)	CCSRCH220J50
C 3457(A,31 ,41)	CEAT100M50
C 3459(B,36 ,35)	CKSRYB103K50
C 3460(B,48 ,38)	CKSRYB103K50
C 3461(A,41 ,44)	CEAT100M50
C 3462(A,53 ,38)	CEAT100M50
C 3463(B,7 ,27)	CKSRYB105K6R3
C 3464(B,8 ,34)	CKSRYB104K16
C 3465(B,6 ,34)	CKSRYB103K50
C 3467(B,32 ,26)	CKSRYB104K16
C 3470(A,50 ,44)	CEAT100M50
C 3471(B,51 ,28)	CKSRYB104K25
C 3475(B,104 ,32)	CKSRYB104K16
C 3476(B,104 ,35)	CKSRYB471K50
C 3481(B,79 ,23)	CCSRCH221J50
C 3482(B,103 ,23)	CCSRCH221J50
C 3483(A,72 ,32)	CEAT100M50
C 3484(A,96 ,31)	CEAT100M50
C 3485(B,75 ,35)	CCSRCH101J50
C 3486(B,91 ,26)	CCSRCH101J50
C 3489(B,87 ,33)	CKSRYB103K50
C 3490(B,93 ,38)	CKSRYB103K50
C 3491(A,90 ,34) ELECT. CAPACITOR	CEAT330M25
C 3492(A,95 ,43) ELECT. CAPACITOR	CEAT330M25
C 3494(B,106 ,29)	CKSRYB104K16
C 3495(B,103 ,29)	CKSRYB471K50
C 3496(B,75 ,23)	CKSRYB103K50

D HEADPHONE ASSY

MISCELLANEOUS

L 3551(B,129 ,129) CHIP BEADS	VTL1083
KN3551(A,119 ,114) WRAPPING TERMINAL	VNF1084
CN3551(A,133 ,128) 4P JUMPER CONNECTOR	52147-0410
3551(A,127 ,85) PHONE JACK	AKN7029

RESISTORS

R 3551(B,132 ,97)	RS1/16S102J

CAPACITORS

C 3551(B,131 ,114)	CKSRYB392K50
C 3552(B,122 ,100)	CKSRYB392K50
C 3553(B,124 ,110)	CCSRCH471J50
C 3554(B,122 ,110)	CKSRYB103K50
C 3555(B,119 ,110)	CKSRYB104K16

E BRIDGE1 ASSY

MISCELLANEOUS

CN5431(A,51 ,120) 23P PLUG	XKP3071
CN5432(A,77 ,72) 23P PLUG	XKP3071

F BRIDGE2 ASSY

MISCELLANEOUS

CN5441(A,48 ,59) CONNECTOR	52045-1745
CN5442(A,68 ,43) 11P PLUG	XKP3065
CN5443(A,69 ,19) 13P PLUG	XKP3066

G TRANS SIDE ASSY

MISCELLANEOUS

L 4401(B,307 ,6) CHIP BEADS	VTL1083
L 4402(B,307 ,8) CHIP BEADS	VTL1083
L 4403(B,307 ,10) CHIP BEADS	VTL1083
L 4404(B,307 ,14) CHIP BEADS	VTL1083
L 4405(B,307 ,16) CHIP BEADS	VTL1083

Mark	No.	Description	Part No.
	L 4406(B,307 ,18)	CHIP BEADS	VTL1083
	L 4407(B,307 ,20)	CHIP BEADS	VTL1083
	L 4408(B,307 ,22)	CHIP BEADS	VTL1083
	L 4409(B,307 ,24)	CHIP BEADS	VTL1083
	L 4410(B,307 ,26)	CHIP BEADS	VTL1083
	L 4411(B,307 ,28)	CHIP BEADS	VTL1083
	L 4412(B,307 ,30)	CHIP BEADS	VTL1083
	L 4413(B,307 ,32)	CHIP BEADS	VTL1083
	J 5	JUMPER WIRE	D20PDY0410E
	CN4402(A,319 ,21)	KR CONNECTOR	S13B-PH
	CN4403(A,79 ,28)	CONNECTOR	52045-1745
	4401(A,61 ,9)	4P CABLE HOLDER	51048-0400

H BRIDGE3 ASSY

MISCELLANEOUS

	CN5451(A,169 ,100)	17P CONNECTOR	52044-1745
	CN5452(A,140 ,100)	19P CONNECTOR	52044-1945
	CN5453(A,135 ,134)	23P PLUG	XKP3071
	CN5454(A,126 ,166)	23P PLUG	XKP3071
	CN5455(A,169 ,166)	17P PLUG	XKP3068

I COMPOSITE V ASSY

MISCELLANEOUS

	IC 2001(A,125 ,89)	IC	CD74HC4051PW
	IC 2002(A,125 ,77)	IC	CD74HC4051PW
	IC 2003(A,129 ,101)	IC	CD74HC4053PW
	IC 2004(A,134 ,89)	IC	CD74HC4052PW
	IC 2005(B,117 ,126)	VIDEO AMP IC	TK15420M
	IC 2006(A,122 ,42)	VIDEO SW IC	NJM2279M
	IC 2007(B,145 ,64)	CHARACTER GENERATOR	PDC131A
	IC 2008(A,141 ,111)	LOGIC IC	CD4094BNS
	IC 2009(B,132 ,97)	LOGIC IC	CD4094BNS
	Q 2001(B,143 ,80)	TRANSISTOR	2SC4081
	D 2001(A,150 ,29)	DIODE	DAP202K
	L 2003(A,129 ,68)	AXIAL INDUCTOR	LAU330J
JA	2005(A,95 ,130)	PIN JACK(1P)	AKB7175
	X 2001(A,134 ,55)	CRYSTAL RESONATOR (14.31818MHz)	ASS1056
	CN2001(A,144 ,24)	15P SOCKET	XKP3078
	CN2002(A,131 ,123)	13P SOCKET	XKP3077
	2002(A,95 ,81)	PIN JACK(2P)	AKB7176
	2003(A,95 ,53)	PIN JACK(2P)	AKB7176
	2001(A,95 ,109)	PIN JACK(2P)	AKB7176
	2004(A,95 ,25)	PIN JACK(2P)	AKB7176

RESISTORS

	R 2001(B,103 ,116)		RS1/16S750J
	R 2002(B,103 ,102)		RS1/16S750J
	R 2003(B,103 ,88)		RS1/16S750J
	R 2004(B,104 ,75)		RS1/16S750J
	R 2005(B,103 ,46)		RS1/16S750J
	R 2006(B,104 ,19)		RS1/16S750J
	R 2007(B,104 ,130)		RS1/16S750J
	R 2008(B,113 ,62)		RS1/16S750J
	R 2009(B,114 ,36)		RS1/16S750J
	R 2010(A,149 ,118)		RS1/16S0R0J
	R 2012(B,141 ,35)		RS1/16S750J
	R 2013(A,115 ,128)		RS1/16S472J
	R 2014(A,119 ,128)		RS1/16S472J
	R 2015(A,115 ,127)		RS1/16S182J
	R 2016(A,119 ,127)		RS1/16S182J
	R 2017(A,114 ,124)		RS1/16S202J
	R 2018(A,120 ,124)		RS1/16S202J
	R 2019(A,147 ,75)		RS1/16S331J
	R 2020(A,147 ,77)		RS1/16S331J
	R 2021(A,147 ,79)		RS1/16S331J
	R 2022(A,150 ,75)		RS1/16S102J
	R 2023(B,150 ,79)		RS1/16S512J
	R 2024(B,148 ,79)		RS1/16S392J
	R 2025(B,144 ,83)		RS1/16S102J
	R 2027(A,140 ,104)		RS1/16S473J
	R 2028(A,142 ,104)		RS1/16S473J
	R 2029(A,144 ,104)		RS1/16S473J
	R 2030(A,145 ,104)		RS1/16S473J
	R 2031(A,149 ,104)		RS1/16S473J
	R 2032(A,147 ,104)		RS1/16S473J
	R 2033(B,144 ,100)		RS1/16S473J
	R 2034(B,144 ,98)		RS1/16S473J
	R 2035(B,144 ,96)		RS1/16S473J
	R 2036(A,139 ,117)		RS1/16S0R0J
	R 2070(A,115 ,109)		RS1/16S0R0J
	R 2082(A,133 ,40)		RS1/16S0R0J
	R 2091(A,123 ,122)		RS1/16S0R0J
	R 2092(A,124 ,26)		RS1/16S0R0J
	R 2095(B,129 ,86)		RS1/16S473J
	R 9095		RS1/16S0R0J

CAPACITORS

	C 2007(B,104 ,132)		CCSRCH181J50
	C 2008(B,104 ,61)		CCSRCH181J50
	C 2009(B,104 ,33)		CCSRCH181J50
	C 2012(A,141 ,33)	ELECT. CAPACITOR	CEAT102M6R3
	C 2013(A,133 ,33)		CEAT101M10
	C 2014(A,127 ,33)		CEAT101M10
	C 2015(A,119 ,91)		CKSRYB103K50
	C 2016(A,130 ,86)		CKSRYB103K50
	C 2017(A,118 ,73)		CKSRYB103K50
	C 2018(A,128 ,81)		CKSRYB103K50
	C 2019(A,128 ,97)		CKSRYB103K50
	C 2020(A,130 ,105)		CKSRYB103K50
	C 2021(A,130 ,92)		CKSRYB103K50
	C 2022(A,139 ,86)		CKSRYB103K50
	C 2024(A,119 ,106)		CEAT101M10
	C 2025(A,119 ,114)		CEAT101M10
	C 2026(B,119 ,122)		CKSRYB103K50
	C 2027(B,113 ,131)		CKSRYB103K50
	C 2028(A,112 ,116)		CEAT101M10
	C 2029(A,127 ,116)		CEAT101M10
	C 2034(A,130 ,39)		CKSRYB103K50
	C 2035(A,129 ,44)		CKSRYB103K50
	C 2036(A,113 ,47)		CEAT100M50
	C 2037(A,141 ,48)		CEAT101M10
	C 2038(A,150 ,49)		CEAT101M10
	C 2039(B,142 ,54)		CKSRYB473K25
	C 2040(B,143 ,74)		CKSRYB473K25
	C 2041(B,130 ,57)		CCSRCH120J50
	C 2042(B,130 ,62)		CCSRCH120J50
	C 2043(A,139 ,63)		CCSRCH240J50
	C 2044(A,139 ,64)		CCSRCH240J50

Mark No.	Description	Part No.
C 2045(A,140 ,67)		CCSRCH101J50
C 2046(A,140 ,69)		CCSRCH101J50
C 2047(A,140 ,70)		CCSRCH101J50
C 2048(A,149 ,68)		CKSRYB122K50
C 2049(A,149 ,63)		CKSRYB122K50
C 2050(A,149 ,58)		CCSRCH101J50
C 2052(A,148 ,84)		CEAT101M10
C 2053(B,132 ,112)		CKSRYB103K50
C 2054(B,131 ,105)		CKSRYB103K50
C 2055(B,147 ,76)		CKSRYB103K50
C 2086(B,109 ,58)		CKSRYB103K50
C 2087(B,127 ,110)		CKSRYB103K50
C 2088(A,132 ,120)		CKSRYB103K50
C 2089(B,103 ,25)		CKSRYB103K50
C 2091(B,103 ,109)		CKSRYB103K50
C 2092(B,103 ,81)		CKSRYB103K50
C 2093(B,103 ,53)		CKSRYB103K50
C 2094(B,104 ,127)		CKSRYB473K25

J S VIDEO ASSY

MISCELLANEOUS

IC 2201(A,39 ,96)	IC	CD74HC4051PW
IC 2202(A,42 ,81)	IC	CD74HC4051PW
IC 2203(A,39 ,111)	IC	CD74HC4052PW
IC 2204(A,32 ,130)	VIDEO AMP IC	TK15420M
IC 2205(A,52 ,96)	IC	CD74HC4051PW
IC 2206(A,57 ,81)	IC	CD74HC4051PW
IC 2207(A,48 ,63)	IC	CD74HC4052PW
IC 2208(A,36 ,60)	VIDEO AMP IC	TK15420M
IC 2209(A,49 ,40)	IC	CD74HC4052PW
IC 2210(A,36 ,37)	VIDEO AMP IC	TK15420M
IC 2271(A,51 ,115)	IC	LA7213
IC 2281(A,67 ,58)	LOGIC IC	CD4094BPW
IC 2282(A,68 ,75)	LOGIC IC	CD4094BPW
Q 2271(B,67 ,110)	TRANSISTOR	RT1N241M
D 2271(A,65 ,107)	DIODE	1SS355
D 2272(A,61 ,106)	DIODE	1SS355
CN2201(A,64 ,24)	17P SOCKET	XKP3079
CN2202(A,62 ,123)	11P SOCKET	XKP3076
CN2203(A,12 ,116)	SOCKET	AKP7043
CN2205(A,12 ,53)	SOCKET	AKP7020
CN2206(A,12 ,25)	SOCKET	AKP7020

RESISTORS

R 2201(B,26 ,115)		RS1/16S750J
R 2202(B,28 ,117)		RS1/16S750J
R 2203(B,26 ,101)		RS1/16S750J
R 2204(B,28 ,103)		RS1/16S750J
R 2205(B,26 ,45)		RS1/16S750J
R 2206(B,28 ,49)		RS1/16S750J
R 2207(B,26 ,17)		RS1/16S750J
R 2208(B,28 ,23)		RS1/16S750J
R 2213(B,28 ,126)		RS1/16S750J
R 2214(B,28 ,133)		RS1/16S750J
R 2215(B,28 ,55)		RS1/16S750J
R 2216(B,28 ,62)		RS1/16S750J
R 2217(B,28 ,28)		RS1/16S750J
R 2218(B,28 ,35)		RS1/16S750J
R 2219(A,66 ,102)		RS1/16S0R0J
R 2220(A,59 ,118)		RS1/16S0R0J
R 2221(B,66 ,33)		RS1/16S750J
R 2222(B,60 ,32)		RS1/16S750J
R 2223(B,33 ,131)		RS1/16S472J
R 2224(A,26 ,132)		RS1/16S472J
R 2225(B,35 ,128)		RS1/16S182J
R 2226(A,26 ,127)		RS1/16S152J
R 2227(B,38 ,128)		RS1/16S202J
R 2228(A,26 ,124)		RS1/16S182J
R 2229(B,50 ,33)		RS1/16S0R0J
R 2250(B,50 ,31)		RS1/16S0R0J
R 2251(A,40 ,58)		RS1/16S472J
R 2252(A,31 ,58)		RS1/16S472J
R 2253(A,42 ,58)		RS1/16S182J
R 2254(A,29 ,58)		RS1/16S152J
R 2255(A,40 ,61)		RS1/16S202J
R 2256(A,29 ,61)		RS1/16S182J
R 2261(A,40 ,34)		RS1/16S472J
R 2262(A,31 ,33)		RS1/16S472J
R 2263(A,42 ,34)		RS1/16S182J
R 2264(A,29 ,33)		RS1/16S152J
R 2265(A,42 ,37)		RS1/16S202J
R 2266(A,31 ,36)		RS1/16S182J
R 2271(A,51 ,112)		RS1/16S331J
R 2272(A,53 ,110)		RS1/16S224J
R 2273(A,57 ,107)		RS1/16S472J
R 2274(A,63 ,114)		RS1/16S223J
R 2281(A,64 ,68)		RS1/16S473J
R 2282(A,64 ,66)		RS1/16S473J
R 2283(A,66 ,51)		RS1/16S473J
R 2284(A,69 ,51)		RS1/16S473J
R 2285(A,68 ,85)		RS1/16S473J
R 2286(A,68 ,86)		RS1/16S473J
R 2287(A,70 ,80)		RS1/16S0R0J
R 2289(A,64 ,69)		RS1/16S473J
R 2290(A,64 ,71)		RS1/16S473J
R 2291(A,66 ,50)		RS1/16S473J
R 2298(A,37 ,115)		RS1/16S0R0J

CAPACITORS

C 2202(B,28 ,119)		CKSRYB104K16
C 2204(B,28 ,105)		CKSRYB104K16
C 2206(B,28 ,51)		CKSRYB104K16
C 2208(B,28 ,24)		CKSRYB104K16
C 2213(B,28 ,127)		CCSRCH181J50
C 2214(B,28 ,131)		CCSRCH181J50
C 2215(B,28 ,57)		CCSRCH181J50
C 2216(B,28 ,61)		CCSRCH181J50
C 2217(B,28 ,30)		CCSRCH181J50
C 2218(B,28 ,33)		CCSRCH181J50
C 2221(A,66 ,31)	ELECT. CAPACITOR	CEAT102M6R3
C 2222(B,61 ,34)		CKSRYB104K16
C 2225(A,41 ,101)		CKSRYB104K16
C 2226(A,36 ,92)		CKSRYB104K16
C 2227(A,44 ,85)		CKSRYB104K16
C 2228(A,36 ,79)		CKSRYB104K16
C 2231(A,41 ,115)		CKSRYB103K50
C 2232(A,37 ,107)		CKSRYB103K50
C 2235(A,32 ,123)		CEAT101M10
C 2236(A,38 ,121)		CEAT101M10

Mark	No.	Description	Part No.
	C 2237(B,31 ,128)		CKSRYB103K50
	C 2238(A,33 ,134)		CKSRYB103K50
	C 2239(A,44 ,121)		CEAT101M10
A	C 2240(A,28 ,134)		CKSRYB104K16
	C 2243(B,33 ,133)		CKSRYB104K16
	C 2245(A,54 ,101)		CKSRYB104K16
	C 2246(A,48 ,93)		CKSRYB104K16
	C 2247(A,58 ,85)		CKSRYB104K16
	C 2248(A,54 ,77)		CKSRYB104K16
	C 2251(A,52 ,61)		CKSRYB103K50
	C 2252(A,46 ,68)		CKSRYB103K50
	C 2255(A,41 ,68)		CEAT101M10
	C 2256(A,35 ,70)		CEAT101M10
	C 2257(A,37 ,64)		CKSRYB103K50
B	C 2258(A,33 ,57)		CKSRYB103K50
	C 2259(A,37 ,54)		CEAT101M10
	C 2260(B,42 ,59)		CKSRYB104K16
	C 2263(A,31 ,64)		CKSRYB104K16
	C 2265(A,53 ,38)		CKSRYB103K50
	C 2266(A,46 ,46)		CKSRYB103K50
	C 2269(A,41 ,45)		CEAT101M10
	C 2270(A,35 ,47)		CEAT101M10
	C 2271(A,38 ,40)		CKSRYB103K50
	C 2272(A,34 ,33)		CKSRYB103K50
	C 2273(A,39 ,31)		CEAT101M10
C	C 2274(A,30 ,29)		CKSRYB104K16
	C 2277(B,28 ,36)		CKSRYB104K16
	C 2278(B,22 ,122)		CKSRYB104K16
	C 2279(B,22 ,52)		CKSRYB104K16
	C 2280(B,21 ,23)		CKSRYB104K16
	C 2281(A,67 ,116)		CEAT101M10
	C 2282(A,62 ,111)		CEAT101M10
	C 2283(A,47 ,117)	ELECT. CAPACITOR	CEAT3R3M50
	C 2284(A,70 ,79)		CKSRYB103K50
	C 2285(A,66 ,53)		CKSRYB103K50
D	C 2286(B,17 ,117)		CKSRYB103K50
	C 2288(B,17 ,48)		CKSRYB103K50
	C 2289(B,17 ,20)		CKSRYB103K50
	C 2292(B,22 ,123)		CKSRYB103K50
	C 2293(B,22 ,53)		CKSRYB103K50
	C 2294(B,21 ,26)		CKSRYB103K50

K COMPONENT ASSY (VSX-AX4AVi-S)

MISCELLANEOUS

E	IC 2401(A,45 ,189)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 2402(A,36 ,189)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 2404(A,58 ,182)	MULTIPLEXER(2CH*3)	TC74LVX4053FT
	IC 2405(B,59 ,208)	VIDEO IC	NJM2581M
	IC 2407(B,94 ,175)	LOGIC IC	CD4094BNS
	IC 2501(A,116 ,102)	OP-AMP IC	UPC4570G2
	IC 2525(A,116 ,84)	OP-AMP IC	UPC4570G2
	IC 2551(A,116 ,66)	OP-AMP IC	UPC4570G2
	IC 2575(A,116 ,48)	OP-AMP IC	UPC4570G2
	IC 2630(B,58 ,91)	IC	TC4066BFN
	IC 2631(A,59 ,115)	IC	TC4052BFT
F	IC 2632(A,66 ,105)	OP-AMP IC	BA4560RF
	IC 2633(A,44 ,109)	OP-AMP IC	BA4560RF
	IC 2634(A,44 ,116)	OP-AMP IC	BA4560RF
	IC 2635(A,44 ,93)	IC	TC4052BFT

Mark	No.	Description	Part No.
	IC 2636(A,70 ,93)	IC	TC4052BFT
	IC 2637(A,62 ,73)	AUDIO IC	BD3813KS
	IC 2638(A,54 ,35)	AUDIO IC	BD3813KS
	IC 2639(B,75 ,51)	IC	TC4052BFN
	IC 2640(A,146 ,112)	LOGIC IC	CD4094BNS
⚠	Q 2407(B,28 ,196)	TRANSISTOR	2SC4081
⚠	Q 2408(B,28 ,183)	TRANSISTOR	2SA1576A
	Q 2501(A,93 ,104)	CHIP TRANSISTOR	2SD2704K
	Q 2502(A,93 ,99)	CHIP TRANSISTOR	2SD2704K
	Q 2503(B,105 ,105)	CHIP TRANSISTOR	2SD2704K
	Q 2504(B,105 ,98)	CHIP TRANSISTOR	2SD2704K
	Q 2525(A,93 ,86)	CHIP TRANSISTOR	2SD2704K
	Q 2526(A,93 ,81)	CHIP TRANSISTOR	2SD2704K
	Q 2527(B,105 ,87)	CHIP TRANSISTOR	2SD2704K
	Q 2528(B,105 ,80)	CHIP TRANSISTOR	2SD2704K
	Q 2551(A,93 ,68)	CHIP TRANSISTOR	2SD2704K
	Q 2552(A,93 ,63)	CHIP TRANSISTOR	2SD2704K
	Q 2553(B,105 ,69)	CHIP TRANSISTOR	2SD2704K
	Q 2554(B,105 ,62)	CHIP TRANSISTOR	2SD2704K
	Q 2575(A,93 ,50)	CHIP TRANSISTOR	2SD2704K
	Q 2576(A,93 ,45)	CHIP TRANSISTOR	2SD2704K
	Q 2577(B,105 ,51)	CHIP TRANSISTOR	2SD2704K
	Q 2578(B,105 ,44)	CHIP TRANSISTOR	2SD2704K
	Q 2630(B,72 ,101)	TRANSISTOR	RT1N241M
	Q 2631(A,55 ,94)	TRANSISTOR	RT1N241M
	Q 2632(B,73 ,106)	TRANSISTOR	RT1N241M
	Q 2633(A,82 ,48)	TRANSISTOR	RT1N241M
	Q 2634(A,79 ,48)	TRANSISTOR	RT1N241M
	Q 2635(B,133 ,41)	DIGITAL TR(SC-70)	RT1P241M
	Q 2636(B,133 ,36)	DIGITAL TR(SC-70)	RT1P241M
	Q 2637(B,133 ,24)	DIGITAL TR(SC-70)	RT1P241M
	Q 2638(B,134 ,31)	DIGITAL TR(SC-70)	RT1P241M
	Q 2639(B,145 ,129)	DIGITAL TR(SC-70)	RT1P241M
	Q 2640(B,145 ,134)	DIGITAL TR(SC-70)	RT1P241M
⚠	Q 2641(A,28 ,58)	TRANSISTOR	2SD1858X
⚠	Q 2642(A,28 ,75)	TRANSISTOR	2SB1238X
	Q 2644(A,134 ,30)	TRANSISTOR	UMH1N
	Q 2645(A,58 ,96)	DIGITAL TR(SC-70)	RT1P241M
	Q 2751(B,109 ,216)	TRANSISTOR	2SA1576A
	Q 2752(B,116 ,216)	TRANSISTOR	2SA1576A
	Q 2753(A,121 ,210)	TRANSISTOR	UMH1N
	Q 2754(B,126 ,211)	TRANSISTOR	2SA1576A
	Q 2771(B,146 ,203)	TRANSISTOR	2SD1664
	Q 2772(B,138 ,190)	TRANSISTOR	2SC4081
	D 2401(B,20 ,192)	DIODE	1SS355
	D 2402(B,21 ,208)	DIODE	1SS355
	D 2503(A,22 ,37)	DIODE	DAN217
	D 2504(A,70 ,124)	DIODE	DAN217
	D 2505(A,62 ,124)	DIODE	DAN217
	D 2517(B,20 ,64)	DIODE	UDZS7R5(B)
	D 2518(B,20 ,69)	DIODE	UDZS7R5(B)
	D 2519(B,150 ,90)	DIODE	1SS355
	D 2520(B,138 ,36)	DIODE	DAP202U
	D 2521(B,138 ,24)	DIODE	DAN202U
	D 2751(B,129 ,204)	DIODE	UDZS5R1(B)
	D 2752(A,124 ,214)	DIODE	1SS355
	D 2772(B,151 ,197)	DIODE	UDZS10(B)
	L 2751(A,127 ,202)	CHIP SOLID INDUCTOR	ATL7002
	L 2754(A,129 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 2755(A,122 ,217)	CHIP SOLID INDUCTOR	QTL1013

Mark No.	Description	Part No.
L 2756(A,126 ,217)	CHIP SOLID INDUCTOR	QTL1013
L 2757(A,134 ,191)	CHIP BEADS	VTL1083
L 2758(A,143 ,190)	CHIP BEADS	VTL1083
L 2759(A,80 ,201)	CHIP BEADS	VTL1083
L 2760(B,142 ,205)	CHIP BEADS	VTL1083
JA2401(A,68 ,231)	6P RCA PINJACK	XKB3053
JA2402(A,26 ,231)	6P RCA PINJACK	XKB3053
JA2403(A,96 ,231)	PIN JACK(1P)	AKB7175
JA2702(A,125 ,231)	2P JACK	XKN3013
KN2701(A,144 ,226)	SCREW PLATE	VNE1948
CN2402(A,14 ,197)	7P SOCKET	KP200TA7L
CN2403(A,18 ,176)	13P SOCKET	XKP3077
CN2409(A,78 ,195)	CONNECTOR	52045-1745
CN2501(A,14 ,55)	B TO B CONNCTOR	BTEM14P-1R
CN2502(A,44 ,137)	CONNECTOR	52045-1745
CN2503(A,14 ,102)	B TO B CONNCTOR	BTEM20P-1R
CN2504(A,143 ,72)	23P SOCKET	XKP3082
CN2505(A,14 ,140)	7P SOCKET	KP200TA7L
CN2506(A,18 ,20)	11P SOCKET	XKP3076
CN2601(A,110 ,130)	19P CONNECTOR	52045-1945
CN2602(A,99 ,137)	26P CONNECTOR	52045-2645
CN2603(A,70 ,137)	19P CONNECTOR	52045-1945
CN2701(A,110 ,231)	JACK	AKN-209
CN2702(A,151 ,178)	CONNECTOR	52045-1145
2701(A,143 ,149)	PCB BINDER	VEF1040

RESISTORS

R 2401(B,85 ,224)	RS1/16S750J
R 2402(B,69 ,221)	RS1/16S750J
R 2403(B,56 ,223)	RS1/16S750J
R 2404(B,41 ,223)	RS1/16S750J
R 2405(B,28 ,223)	RS1/16S750J
R 2406(B,16 ,223)	RS1/16S750J
R 2407(B,36 ,222)	RS1/16S750J
R 2408(B,23 ,223)	RS1/16S750J
R 2409(B,9 ,222)	RS1/16S750J
R 2433(B,103 ,218)	RS1/16S750J
R 2439(B,65 ,215)	RS1/16S750J
R 2440(B,59 ,215)	RS1/16S750J
R 2441(B,52 ,215)	RS1/16S750J
R 2443(A,93 ,178)	RS1/16S473J
R 2444(A,95 ,178)	RS1/16S473J
R 2445(A,93 ,173)	RS1/16S473J
R 2446(A,97 ,173)	RS1/16S473J
R 2447(A,91 ,176)	RS1/16S473J
R 2448(A,95 ,173)	RS1/16S473J
R 2449(A,95 ,166)	RS1/16S473J
R 2451(B,25 ,195)	RS1/16S153J
R 2452(B,25 ,183)	RS1/16S153J
R 2453(B,25 ,191)	RS1/16S333J
R 2454(B,25 ,187)	RS1/16S333J
R 2467(B,23 ,169)	RS1/16S750J
R 2468(B,25 ,172)	RS1/16S750J
R 2469(B,23 ,176)	RS1/16S750J
R 2501(B,86 ,104)	RS1/16S563J
R 2502(B,86 ,99)	RS1/16S563J
R 2503(B,93 ,103)	RS1/16S222J
R 2504(B,93 ,100)	RS1/16S222J
R 2505(B,99 ,108)	RS1/16S751J
R 2506(B,99 ,95)	RS1/16S751J
R 2507(A,92 ,108)	RS1/16S472J
R 2508(A,92 ,96)	RS1/16S472J
R 2509(B,99 ,104)	RS1/16S104J
R 2510(B,99 ,99)	RS1/16S104J
R 2511(A,105 ,105)	RS1/16S472J
R 2512(A,105 ,98)	RS1/16S472J
R 2513(B,115 ,106)	RS1/16S102J
R 2514(B,115 ,97)	RS1/16S102J
R 2515(B,111 ,104)	RS1/16S183J
R 2516(B,111 ,99)	RS1/16S183J
R 2517(B,109 ,104)	RS1/16S512J
R 2518(B,109 ,99)	RS1/16S512J
R 2519(A,117 ,107)	RS1/16S153J
R 2520(A,117 ,96)	RS1/16S153J
R 2521(B,117 ,106)	RS1/16S0R0J
R 2522(B,117 ,97)	RS1/16S0R0J
R 2523(B,124 ,106)	RS1/16S104J
R 2524(B,124 ,97)	RS1/16S104J
R 2525(B,86 ,87)	RS1/16S563J
R 2526(B,86 ,81)	RS1/16S563J
R 2527(B,93 ,85)	RS1/16S222J
R 2528(B,93 ,82)	RS1/16S222J
R 2529(B,99 ,90)	RS1/16S751J
R 2530(B,99 ,77)	RS1/16S751J
R 2531(A,92 ,89)	RS1/16S472J
R 2532(A,92 ,77)	RS1/16S472J
R 2533(B,99 ,86)	RS1/16S104J
R 2534(B,99 ,81)	RS1/16S104J
R 2535(A,105 ,87)	RS1/16S472J
R 2536(A,105 ,80)	RS1/16S472J
R 2537(B,115 ,88)	RS1/16S102J
R 2538(B,115 ,79)	RS1/16S102J
R 2539(B,111 ,86)	RS1/16S183J
R 2540(B,109 ,81)	RS1/16S183J
R 2541(B,109 ,86)	RS1/16S512J
R 2542(B,111 ,81)	RS1/16S512J
R 2543(A,117 ,89)	RS1/16S153J
R 2544(A,117 ,77)	RS1/16S153J
R 2545(B,117 ,88)	RS1/16S0R0J
R 2546(B,117 ,79)	RS1/16S0R0J
R 2547(B,124 ,88)	RS1/16S104J
R 2548(B,124 ,79)	RS1/16S104J
R 2549(A,102 ,114)	RS1/16S473J
R 2551(B,86 ,69)	RS1/16S563J
R 2552(B,86 ,63)	RS1/16S563J
R 2553(B,93 ,67)	RS1/16S222J
R 2554(B,93 ,64)	RS1/16S222J
R 2555(B,99 ,72)	RS1/16S751J
R 2556(B,99 ,59)	RS1/16S751J
R 2557(A,92 ,72)	RS1/16S472J
R 2558(A,92 ,60)	RS1/16S472J
R 2559(B,99 ,68)	RS1/16S104J
R 2560(B,99 ,63)	RS1/16S104J
R 2561(A,105 ,69)	RS1/16S472J
R 2562(A,105 ,62)	RS1/16S472J
R 2563(B,115 ,70)	RS1/16S102J
R 2564(B,115 ,61)	RS1/16S102J
R 2565(B,111 ,68)	RS1/16S183J
R 2566(B,111 ,63)	RS1/16S183J
R 2567(B,109 ,68)	RS1/16S512J

Mark	No.	Description	Part No.
	R 2568(B,109 ,63)		RS1/16S512J
	R 2569(A,117 ,71)		RS1/16S153J
A	R 2570(A,117 ,59)		RS1/16S153J
	R 2571(B,117 ,70)		RS1/16S0R0J
	R 2572(B,117 ,61)		RS1/16S0R0J
	R 2573(B,124 ,70)		RS1/16S104J
	R 2574(B,124 ,61)		RS1/16S104J
	R 2575(B,73 ,38)		RS1/16S563J
	R 2576(B,73 ,33)		RS1/16S563J
	R 2577(B,93 ,49)		RS1/16S202J
	R 2578(B,93 ,46)		RS1/16S202J
	R 2579(B,99 ,54)		RS1/16S751J
	R 2580(B,99 ,41)		RS1/16S751J
B	R 2581(A,92 ,55)		RS1/16S472J
	R 2582(A,92 ,42)		RS1/16S472J
	R 2583(B,99 ,50)		RS1/16S104J
	R 2584(B,99 ,45)		RS1/16S104J
	R 2585(A,105 ,51)		RS1/16S472J
	R 2586(A,105 ,44)		RS1/16S472J
	R 2587(B,115 ,52)		RS1/16S102J
	R 2588(B,115 ,43)		RS1/16S102J
	R 2589(B,111 ,50)		RS1/16S822J
	R 2590(B,111 ,45)		RS1/16S822J
	R 2591(B,109 ,50)		RS1/16S822J
C	R 2592(B,109 ,45)		RS1/16S822J
	R 2593(A,117 ,53)		RS1/16S153J
	R 2594(A,117 ,42)		RS1/16S153J
	R 2595(B,117 ,52)		RS1/16S0R0J
	R 2596(B,117 ,43)		RS1/16S0R0J
	R 2597(B,124 ,52)		RS1/16S104J
	R 2598(B,124 ,43)		RS1/16S104J
	R 2599(A,107 ,114)		RS1/16S473J
	R 2625(A,58 ,99)		RS1/16S242J
	R 2626(A,74 ,99)		RS1/16S242J
	R 2627(A,60 ,100)		RS1/16S560J
D	R 2628(A,72 ,100)		RS1/16S560J
	R 2629(A,58 ,101)		RS1/16S332J
	R 2630(A,74 ,101)		RS1/16S332J
	R 2631(A,59 ,103)		RS1/16S0R0J
	R 2632(A,73 ,103)		RS1/16S0R0J
	R 2633(A,59 ,106)		RS1/16S222J
	R 2634(A,73 ,106)		RS1/16S222J
	R 2635(A,61 ,106)		RS1/16S101J
	R 2636(A,72 ,106)		RS1/16S101J
	R 2637(B,71 ,113)		RS1/16S474J
	R 2638(B,71 ,117)		RS1/16S474J
E	R 2641(A,50 ,109)		RS1/16S472J
	R 2642(A,39 ,109)		RS1/16S472J
	R 2643(B,48 ,106)		RS1/16S101J
	R 2644(B,41 ,106)		RS1/16S101J
	R 2645(A,49 ,118)		RS1/16S113J
	R 2646(A,39 ,118)		RS1/16S113J
	R 2647(A,52 ,113)		RS1/16S0R0J
	R 2648(A,37 ,113)		RS1/16S0R0J
	R 2649(A,51 ,118)		RS1/16S153J
	R 2650(A,37 ,118)		RS1/16S153J
	R 2651(A,50 ,115)		RS1/16S113J
F	R 2652(A,39 ,115)		RS1/16S113J
	R 2653(A,50 ,112)		RS1/16S472J
	R 2654(A,39 ,112)		RS1/16S472J
	R 2655(B,46 ,106)		RS1/16S474J
	R 2656(B,43 ,106)		RS1/16S474J
	R 2657(B,60 ,75)		RS1/16S0R0J
	R 2658(B,57 ,74)		RS1/16S0R0J
	R 2663(B,81 ,104)		RS1/16S101J
	R 2664(B,81 ,96)		RS1/16S101J
	R 2665(B,81 ,85)		RS1/16S101J
	R 2666(B,80 ,79)		RS1/16S101J
	R 2667(B,80 ,68)		RS1/16S101J
	R 2668(B,80 ,64)		RS1/16S101J
	R 2669(B,67 ,40)		RS1/16S101J
	R 2670(B,67 ,36)		RS1/16S101J
	R 2673(B,69 ,27)		RS1/16S101J
	R 2674(B,69 ,22)		RS1/16S101J
	R 2675(B,75 ,26)		RS1/16S563J
	R 2676(B,75 ,22)		RS1/16S563J
	R 2677(B,63 ,65)		RS1/16S102J
	R 2678(B,67 ,65)		RS1/16S102J
	R 2681(B,56 ,28)		RS1/16S102J
	R 2682(B,58 ,28)		RS1/16S102J
	R 2685(B,23 ,57)		RS1/16S472J
	R 2686(B,23 ,76)		RS1/16S472J
	R 2687(B,23 ,59)		RS1/16S101J
	R 2688(B,23 ,74)		RS1/16S101J
	R 2689(A,59 ,94)		RS1/16S473J
	R 2690(B,75 ,100)		RS1/16S473J
	R 2691(B,77 ,105)		RS1/16S473J
	R 2692(B,77 ,41)		RS1/16S473J
	R 2693(B,77 ,43)		RS1/16S473J
	R 2694(A,133 ,41)		RS1/16S102J
	R 2697(A,133 ,23)		RS1/16S472J
	R 2698(A,37 ,24)		RS1/16S0R0J
	R 2699(A,38 ,36)		RS1/16S0R0J
	R 2719(A,134 ,36)		RS1/16S102J
	R 2720(A,104 ,114)		RS1/16S473J
	R 2721(A,133 ,33)		RS1/16S473J
	R 2722(A,133 ,27)		RS1/16S472J
	R 2723(A,105 ,114)		RS1/16S473J
	R 2751(A,118 ,210)		RS1/16S472J
	R 2752(A,121 ,213)		RS1/16S472J
	R 2753(B,111 ,216)		RS1/16S472J
	R 2754(B,119 ,216)		RS1/16S472J
	R 2755(B,121 ,211)		RS1/16S180J
	R 2756(B,123 ,211)		RS1/16S180J
	R 2757(B,130 ,211)		RS1/16S103J
	R 2758(B,133 ,203)		RS1/16S103J
	R 2759(A,125 ,210)		RS1/16S102J
	R 2760(A,128 ,214)		RS1/16S0R0J
	R 2771(B,140 ,197)		RS1/16S0R0J
	R 2772(B,151 ,202)		RS1/16S391J
	R 2773(B,141 ,190)		RS1/16S221J
	R 2775(B,145 ,190)		RS1/16S472J
	R 9761(B,130 ,143)		RS1/16S0R0J

CAPACITORS

C 2411(A,41 ,191)		CKSRYB103K50
C 2412(A,41 ,187)		CKSRYB103K50
C 2415(A,32 ,191)		CKSRYB103K50
C 2416(A,32 ,187)		CKSRYB103K50
C 2419(A,53 ,184)		CKSRYB103K50

Mark No.	Description	Part No.
C 2420(A,53 ,181)		CKSRYB103K50
C 2424(A,63 ,200)		CEAT101M10
C 2425(A,57 ,200)		CEAT101M10
C 2426(A,51 ,200)		CEAT101M10
C 2427(B,65 ,211)		CKSRYB104K16
C 2428(B,65 ,205)		CKSRYB104K16
C 2431(A,69 ,213)		CEAT101M10
C 2432(A,69 ,207)		CEAT101M10
C 2434(B,99 ,222)		CCSRCH181J50
C 2438(B,86 ,172)		CKSRYB103K50
C 2439(B,27 ,191)		CKSRYB224K10
C 2440(B,27 ,187)		CKSRYB224K10
C 2453(B,18 ,221)		CKSRYB103K50
C 2454(B,32 ,222)		CKSRYB103K50
C 2455(B,62 ,223)		CKSRYB103K50
C 2456(B,74 ,223)		CKSRYB103K50
C 2457(B,94 ,219)		CKSRYB103K50
C 2460(A,20 ,212)		CKSRYB104K16
C 2467(A,38 ,167)	ELECT. CAPACITOR	CEAT102M6R3
C 2468(A,39 ,176)		CEAT471M6R3
C 2469(A,32 ,176)		CEAT471M6R3
C 2501(A,84 ,105)		CEAT470M25
C 2502(A,84 ,98)		CEAT470M25
C 2503(A,101 ,107)		CEAT4R7M50
C 2504(A,101 ,96)		CEAT4R7M50
C 2505(A,96 ,104)		CKSRYB103K50
C 2506(A,96 ,100)		CKSRYB103K50
C 2507(A,107 ,104)		CKSRYB223K50
C 2508(A,107 ,99)		CKSRYB223K50
C 2509(A,109 ,107)		CEAT101M16
C 2510(A,109 ,96)		CEAT101M16
C 2511(A,117 ,109)		CCSRCH101J50
C 2512(A,117 ,95)		CCSRCH101J50
C 2513(A,120 ,100)		CKSRYB103K50
C 2514(A,120 ,103)		CKSRYB103K50
C 2515(A,121 ,107)		CEAT470M25
C 2516(A,121 ,96)		CEAT470M25
C 2525(A,84 ,87)		CEAT470M25
C 2526(A,84 ,80)		CEAT470M25
C 2527(A,101 ,89)		CEAT4R7M50
C 2528(A,101 ,78)		CEAT4R7M50
C 2529(A,96 ,86)		CKSRYB103K50
C 2530(A,96 ,82)		CKSRYB103K50
C 2531(A,107 ,86)		CKSRYB223K50
C 2532(A,107 ,81)		CKSRYB223K50
C 2533(A,109 ,89)		CEAT101M16
C 2534(A,109 ,78)		CEAT101M16
C 2535(A,117 ,90)		CCSRCH101J50
C 2536(A,117 ,78)		CCSRCH101J50
C 2537(A,120 ,82)		CKSRYB103K50
C 2538(A,120 ,85)		CKSRYB103K50
C 2539(A,121 ,89)		CEAT470M25
C 2540(A,121 ,78)		CEAT470M25
C 2551(A,84 ,69)		CEAT470M25
C 2552(A,84 ,62)		CEAT470M25
C 2553(A,101 ,71)		CEAT4R7M50
C 2554(A,101 ,60)		CEAT4R7M50
C 2555(A,96 ,68)		CKSRYB103K50
C 2556(A,96 ,64)		CKSRYB103K50
C 2557(A,107 ,68)		CKSRYB223K50
C 2558(A,107 ,63)		CKSRYB223K50
C 2559(A,109 ,71)		CEAT101M16
C 2560(A,109 ,60)		CEAT101M16
C 2561(A,117 ,72)		CCSRCH101J50
C 2562(A,117 ,60)		CCSRCH101J50
C 2563(A,120 ,64)		CKSRYB103K50
C 2564(A,120 ,67)		CKSRYB103K50
C 2565(A,121 ,71)		CEAT470M25
C 2566(A,121 ,60)		CEAT470M25
C 2575(A,70 ,39)		CEAT470M25
C 2576(A,70 ,33)		CEAT470M25
C 2577(A,101 ,53)		CEAT4R7M50
C 2578(A,101 ,42)		CEAT4R7M50
C 2579(A,96 ,50)		CKSRYB103K50
C 2580(A,96 ,46)		CKSRYB103K50
C 2581(A,107 ,50)		CKSRYB223K50
C 2582(A,107 ,45)		CKSRYB223K50
C 2583(A,109 ,53)		CEAT101M16
C 2584(A,109 ,42)		CEAT101M16
C 2585(A,117 ,54)		CCSRCH101J50
C 2586(A,117 ,41)		CCSRCH101J50
C 2587(A,120 ,46)		CKSRYB103K50
C 2588(A,120 ,49)		CKSRYB103K50
C 2589(A,121 ,53)		CEAT470M25
C 2590(A,121 ,42)		CEAT470M25
C 2621(B,147 ,117)		CKSRYB103K50
C 2623(B,144 ,75)		CKSRYB104K16
C 2626(A,23 ,61)		CEAT2R2M50
C 2627(A,23 ,69)		CEAT2R2M50
C 2628(A,34 ,61)		CEAT100M50
C 2629(A,34 ,70)		CEAT100M50
C 2631(B,42 ,97)		CKSRYB103K50
C 2632(A,43 ,89)		CKSRYB103K50
C 2633(A,61 ,103)		CCSRCH101J50
C 2634(A,72 ,103)		CCSRCH101J50
C 2635(B,68 ,107)		CKSRYB103K50
C 2636(B,66 ,107)		CKSRYB103K50
C 2637(A,74 ,112)		CEAT100M50
C 2638(A,74 ,118)		CEAT100M50
C 2639(A,51 ,111)		CCSRCH220J50
C 2640(A,37 ,111)		CCSRCH220J50
C 2641(B,42 ,111)		CKSRYB103K50
C 2642(A,46 ,113)		CKSRYB103K50
C 2643(A,51 ,115)		CCSRCH220J50
C 2644(A,37 ,115)		CCSRCH220J50
C 2645(A,47 ,103)		CEAT100M50
C 2646(A,41 ,103)		CEAT100M50
C 2647(B,42 ,117)		CKSRYB103K50
C 2648(A,46 ,120)		CKSRYB103K50
C 2649(A,61 ,94)		CKSRYB103K50
C 2650(A,55 ,88)		CKSRYB103K50
C 2651(A,63 ,113)		CKSRYB103K50
C 2652(A,55 ,117)		CKSRYB103K50
C 2653(B,73 ,94)		CKSRYB103K50
C 2654(B,75 ,94)		CKSRYB103K50
C 2655(B,69 ,48)		CKSRYB103K50
C 2656(B,82 ,54)		CKSRYB103K50
C 2660(A,50 ,59)		CEAT100M50
C 2661(A,56 ,59)		CEAT100M50
C 2662(A,62 ,59)		CEAT100M50

Mark	No.	Description	Part No.
	C 2663(A,68 ,59)		CEAT100M50
	C 2664(B,66 ,69)		CCSRCH101J50
A	C 2665(B,64 ,67)		CCSRCH101J50
	C 2666(A,70 ,67)		CKSRYB103K50
	C 2667(A,71 ,69)		CKSRYB103K50
	C 2668(A,70 ,71)		CKSRYB103K50
	C 2675(A,67 ,86)		CEAT100M50
	C 2676(A,73 ,86)		CEAT100M50
	C 2677(A,46 ,19)		CEAT100M50
	C 2678(A,51 ,19)		CEAT100M50
	C 2679(A,57 ,19)		CEAT100M50
	C 2680(A,63 ,19)		CEAT100M50
	C 2681(B,60 ,30)		CCSRCH101J50
B	C 2682(B,54 ,30)		CCSRCH101J50
	C 2683(A,62 ,28)		CKSRYB103K50
	C 2684(A,64 ,31)		CKSRYB103K50
	C 2685(A,62 ,32)		CKSRYB103K50
	C 2692(A,48 ,44)		CEAT100M50
	C 2693(A,42 ,44)		CEAT100M50
	C 2695(A,72 ,27)		CEAT470M25
	C 2696(A,72 ,21)		CEAT470M25
	C 2698(A,131 ,24)		CKSRYB104K16
	C 2699(A,131 ,42)		CKSRYB473K25
	C 2700(A,131 ,22)		CKSRYB224K16
C	C 2714(A,131 ,35)		CKSRYB473K25
	C 2716(A,131 ,28)		CKSRYB224K16
	C 2717(A,131 ,26)		CKSRYB104K16
	C 2751(B,107 ,220)		CKSRYB103K50
	C 2752(B,113 ,220)		CKSRYB103K50
	C 2754(A,131 ,205)	ELECT. CAPACITOR	CEATR10M50
	C 2771(A,148 ,198)		CEAT101M16
	C 2781(B,151 ,217)		CKSRYB104K16
	C 2782(B,149 ,217)		CKSRYB471K50
	C 2783(B,151 ,213)		CKSRYB104K16
	C 2784(B,149 ,213)		CKSRYB471K50
D			

K COMPONENT ASSY (VSX-AX2AV-S)

MISCELLANEOUS

	IC 2401(A,45 ,189)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 2402(A,36 ,189)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 2404(A,58 ,182)	MULTIPLEXER(2CH*3)	TC74LVX4053FT
	IC 2405(B,59 ,208)	VIDEO IC	NJM2581M
	IC 2407(B,94 ,175)	LOGIC IC	CD4094BNS
	IC 2501(A,116 ,102)	OP-AMP IC	UPC4570G2
E	IC 2525(A,116 ,84)	OP-AMP IC	UPC4570G2
	IC 2551(A,116 ,66)	OP-AMP IC	UPC4570G2
	IC 2575(A,116 ,48)	OP-AMP IC	UPC4570G2
	IC 2630(B,58 ,91)	IC	TC4066BFN
	IC 2632(A,66 ,105)	OP-AMP IC	BA4560RF
	IC 2637(A,62 ,73)	AUDIO IC	BD3813KS
	IC 2638(A,54 ,35)	AUDIO IC	BD3813KS
	IC 2639(B,75 ,51)	IC	TC4052BFN
	IC 2640(A,146 ,112)	LOGIC IC	CD4094BNS
	⚠Q 2407(B,28 ,196)	TRANSISTOR	2SC4081
	⚠Q 2408(B,28 ,183)	TRANSISTOR	2SA1576A
F	Q 2501(A,93 ,104)	CHIP TRANSISTOR	2SD2704K
	Q 2502(A,93 ,99)	CHIP TRANSISTOR	2SD2704K
	Q 2503(B,105 ,105)	CHIP TRANSISTOR	2SD2704K

Mark	No.	Description	Part No.
	Q 2504(B,105 ,98)	CHIP TRANSISTOR	2SD2704K
	Q 2525(A,93 ,86)	CHIP TRANSISTOR	2SD2704K
	Q 2526(A,93 ,81)	CHIP TRANSISTOR	2SD2704K
	Q 2527(B,105 ,87)	CHIP TRANSISTOR	2SD2704K
	Q 2528(B,105 ,80)	CHIP TRANSISTOR	2SD2704K
	Q 2551(A,93 ,68)	CHIP TRANSISTOR	2SD2704K
	Q 2552(A,93 ,63)	CHIP TRANSISTOR	2SD2704K
	Q 2553(B,105 ,69)	CHIP TRANSISTOR	2SD2704K
	Q 2554(B,105 ,62)	CHIP TRANSISTOR	2SD2704K
	Q 2575(A,93 ,50)	CHIP TRANSISTOR	2SD2704K
	Q 2576(A,93 ,45)	CHIP TRANSISTOR	2SD2704K
	Q 2577(B,105 ,51)	CHIP TRANSISTOR	2SD2704K
	Q 2578(B,105 ,44)	CHIP TRANSISTOR	2SD2704K
	Q 2631(A,55 ,94)	TRANSISTOR	RT1N241M
	Q 2633(A,82 ,48)	TRANSISTOR	RT1N241M
	Q 2634(A,79 ,48)	TRANSISTOR	RT1N241M
	Q 2635(B,133 ,41)	DIGITAL TR(SC-70)	RT1P241M
	Q 2636(B,133 ,36)	DIGITAL TR(SC-70)	RT1P241M
	Q 2637(B,133 ,24)	DIGITAL TR(SC-70)	RT1P241M
	Q 2638(B,134 ,31)	DIGITAL TR(SC-70)	RT1P241M
	Q 2639(B,145 ,129)	DIGITAL TR(SC-70)	RT1P241M
	Q 2640(B,145 ,134)	DIGITAL TR(SC-70)	RT1P241M
	⚠Q 2641(A,28 ,58)	TRANSISTOR	2SD1858X
	⚠Q 2642(A,28 ,75)	TRANSISTOR	2SB1238X
	Q 2644(A,134 ,30)	TRANSISTOR	UMH1N
	Q 2645(A,58 ,96)	DIGITAL TR(SC-70)	RT1P241M
	Q 2751(B,109 ,216)	TRANSISTOR	2SA1576A
	Q 2752(B,116 ,216)	TRANSISTOR	2SA1576A
	Q 2753(A,121 ,210)	TRANSISTOR	UMH1N
	Q 2754(B,126 ,211)	TRANSISTOR	2SA1576A
	Q 2771(B,146 ,203)	TRANSISTOR	2SD1664
	Q 2772(B,138 ,190)	TRANSISTOR	2SC4081
	D 2401(B,20 ,192)	DIODE	1SS355
	D 2402(B,21 ,208)	DIODE	1SS355
	D 2503(A,22 ,37)	DIODE	DAN217
	D 2504(A,70 ,124)	DIODE	DAN217
	D 2505(A,62 ,124)	DIODE	DAN217
	D 2517(B,20 ,64)	DIODE	UDZS7R5(B)
	D 2518(B,20 ,69)	DIODE	UDZS7R5(B)
	D 2519(B,150 ,90)	DIODE	1SS355
	D 2520(B,138 ,36)	DIODE	DAP202U
	D 2521(B,138 ,24)	DIODE	DAN202U
	D 2751(B,129 ,204)	DIODE	UDZS5R1(B)
	D 2752(A,124 ,214)	DIODE	1SS355
	D 2772(B,151 ,197)	DIODE	UDZS10(B)
	L 2751(A,127 ,202)	CHIP SOLID INDUCTOR	ATL7002
	L 2754(A,129 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 2755(A,122 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 2756(A,126 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 2757(A,134 ,191)	CHIP BEADS	VTL1083
	L 2758(A,143 ,190)	CHIP BEADS	VTL1083
	L 2759(A,80 ,201)	CHIP BEADS	VTL1083
	L 2760(B,142 ,205)	CHIP BEADS	VTL1083
	JA2401(A,68 ,231)	6P RCA PINJACK	XKB3053
	JA2402(A,26 ,231)	6P RCA PINJACK	XKB3053
	JA2403(A,96 ,231)	PIN JACK(1P)	AKB7175
	JA2702(A,125 ,231)	2P JACK	XKN3013
	KN2701(A,144 ,226)	SCREW PLATE	VNE1948
	CN2402(A,14 ,197)	7P SOCKET	KP200TA7L
	CN2403(A,18 ,176)	13P SOCKET	XKP3077

Mark No.	Description	Part No.
CN2409(A,78 ,195)	CONNECTOR	52045-1745
CN2501(A,14 ,55)	B TO B CONNCTOR	BTEM14P-1R
CN2502(A,44 ,137)	CONNECTOR	52045-1745
CN2503(A,14 ,102)	B TO B CONNCTOR	BTEM20P-1R
CN2504(A,143 ,72)	23P SOCKET	XKP3082
CN2505(A,14 ,140)	7P SOCKET	KP200TA7L
CN2506(A,18 ,20)	11P SOCKET	XKP3076
CN2601(A,110 ,130)	19P CONNECTOR	52045-1945
CN2602(A,99 ,137)	26P CONNECTOR	52045-2645
CN2603(A,70 ,137)	19P CONNECTOR	52045-1945
CN2701(A,110 ,231)	JACK	AKN-209
CN2702(A,151 ,178)	CONNECTOR	52045-1145
2701(A,143 ,149)	PCB BINDER	VEF1040

RESISTORS

R 2401(B,85 ,224)	RS1/16S750J
R 2402(B,69 ,221)	RS1/16S750J
R 2403(B,56 ,223)	RS1/16S750J
R 2404(B,41 ,223)	RS1/16S750J
R 2405(B,28 ,223)	RS1/16S750J
R 2406(B,16 ,223)	RS1/16S750J
R 2407(B,36 ,222)	RS1/16S750J
R 2408(B,23 ,223)	RS1/16S750J
R 2409(B,9 ,222)	RS1/16S750J
R 2433(B,103 ,218)	RS1/16S750J
R 2439(B,65 ,215)	RS1/16S750J
R 2440(B,59 ,215)	RS1/16S750J
R 2441(B,52 ,215)	RS1/16S750J
R 2443(A,93 ,178)	RS1/16S473J
R 2444(A,95 ,178)	RS1/16S473J
R 2445(A,93 ,173)	RS1/16S473J
R 2446(A,97 ,173)	RS1/16S473J
R 2447(A,91 ,176)	RS1/16S473J
R 2448(A,95 ,173)	RS1/16S473J
R 2449(A,95 ,166)	RS1/16S473J
R 2451(B,25 ,195)	RS1/16S153J
R 2452(B,25 ,183)	RS1/16S153J
R 2453(B,25 ,191)	RS1/16S333J
R 2454(B,25 ,187)	RS1/16S333J
R 2467(B,23 ,169)	RS1/16S750J
R 2468(B,25 ,172)	RS1/16S750J
R 2469(B,23 ,176)	RS1/16S750J
R 2501(B,86 ,104)	RS1/16S563J
R 2502(B,86 ,99)	RS1/16S563J
R 2503(B,93 ,103)	RS1/16S222J
R 2504(B,93 ,100)	RS1/16S222J
R 2505(B,99 ,108)	RS1/16S751J
R 2506(B,99 ,95)	RS1/16S751J
R 2507(A,92 ,108)	RS1/16S472J
R 2508(A,92 ,96)	RS1/16S472J
R 2509(B,99 ,104)	RS1/16S104J
R 2510(B,99 ,99)	RS1/16S104J
R 2511(A,105 ,105)	RS1/16S472J
R 2512(A,105 ,98)	RS1/16S472J
R 2513(B,115 ,106)	RS1/16S102J
R 2514(B,115 ,97)	RS1/16S102J
R 2515(B,111 ,104)	RS1/16S183J
R 2516(B,111 ,99)	RS1/16S183J
R 2517(B,109 ,104)	RS1/16S512J
R 2518(B,109 ,99)	RS1/16S512J

Mark No.	Description	Part No.
R 2519(A,117 ,107)		RS1/16S153J
R 2520(A,117 ,96)		RS1/16S153J
R 2521(B,117 ,106)		RS1/16S0R0J
R 2522(B,117 ,97)		RS1/16S0R0J
R 2523(B,124 ,106)		RS1/16S104J
R 2524(B,124 ,97)		RS1/16S104J
R 2525(B,86 ,87)		RS1/16S563J
R 2526(B,86 ,81)		RS1/16S563J
R 2527(B,93 ,85)		RS1/16S222J
R 2528(B,93 ,82)		RS1/16S222J
R 2529(B,99 ,90)		RS1/16S751J
R 2530(B,99 ,77)		RS1/16S751J
R 2531(A,92 ,89)		RS1/16S472J
R 2532(A,92 ,77)		RS1/16S472J
R 2533(B,99 ,86)		RS1/16S104J
R 2534(B,99 ,81)		RS1/16S104J
R 2535(A,105 ,87)		RS1/16S472J
R 2536(A,105 ,80)		RS1/16S472J
R 2537(B,115 ,88)		RS1/16S102J
R 2538(B,115 ,79)		RS1/16S102J
R 2539(B,111 ,86)		RS1/16S183J
R 2540(B,109 ,81)		RS1/16S183J
R 2541(B,109 ,86)		RS1/16S512J
R 2542(B,111 ,81)		RS1/16S512J
R 2543(A,117 ,89)		RS1/16S153J
R 2544(A,117 ,77)		RS1/16S153J
R 2545(B,117 ,88)		RS1/16S0R0J
R 2546(B,117 ,79)		RS1/16S0R0J
R 2547(B,124 ,88)		RS1/16S104J
R 2548(B,124 ,79)		RS1/16S104J
R 2549(A,102 ,114)		RS1/16S473J
R 2551(B,86 ,69)		RS1/16S563J
R 2552(B,86 ,63)		RS1/16S563J
R 2553(B,93 ,67)		RS1/16S222J
R 2554(B,93 ,64)		RS1/16S222J
R 2555(B,99 ,72)		RS1/16S751J
R 2556(B,99 ,59)		RS1/16S751J
R 2557(A,92 ,72)		RS1/16S472J
R 2558(A,92 ,60)		RS1/16S472J
R 2559(B,99 ,68)		RS1/16S104J
R 2560(B,99 ,63)		RS1/16S104J
R 2561(A,105 ,69)		RS1/16S472J
R 2562(A,105 ,62)		RS1/16S472J
R 2563(B,115 ,70)		RS1/16S102J
R 2564(B,115 ,61)		RS1/16S102J
R 2565(B,111 ,68)		RS1/16S183J
R 2566(B,111 ,63)		RS1/16S183J
R 2567(B,109 ,68)		RS1/16S512J
R 2568(B,109 ,63)		RS1/16S512J
R 2569(A,117 ,71)		RS1/16S153J
R 2570(A,117 ,59)		RS1/16S153J
R 2571(B,117 ,70)		RS1/16S0R0J
R 2572(B,117 ,61)		RS1/16S0R0J
R 2573(B,124 ,70)		RS1/16S104J
R 2574(B,124 ,61)		RS1/16S104J
R 2575(B,73 ,38)		RS1/16S563J
R 2576(B,73 ,33)		RS1/16S563J
R 2577(B,93 ,49)		RS1/16S202J
R 2578(B,93 ,46)		RS1/16S202J
R 2579(B,99 ,54)		RS1/16S751J

Mark	No.	Description	Part No.
	R 2580(B,99 ,41)		RS1/16S751J
	R 2581(A,92 ,55)		RS1/16S472J
	R 2582(A,92 ,42)		RS1/16S472J
A	R 2583(B,99 ,50)		RS1/16S104J
	R 2584(B,99 ,45)		RS1/16S104J
	R 2585(A,105 ,51)		RS1/16S472J
	R 2586(A,105 ,44)		RS1/16S472J
	R 2587(B,115 ,52)		RS1/16S102J
	R 2588(B,115 ,43)		RS1/16S102J
	R 2589(B,111 ,50)		RS1/16S822J
	R 2590(B,111 ,45)		RS1/16S822J
	R 2591(B,109 ,50)		RS1/16S822J
	R 2592(B,109 ,45)		RS1/16S822J
	R 2593(A,117 ,53)		RS1/16S153J
B	R 2594(A,117 ,42)		RS1/16S153J
	R 2595(B,117 ,52)		RS1/16S0R0J
	R 2596(B,117 ,43)		RS1/16S0R0J
	R 2597(B,124 ,52)		RS1/16S104J
	R 2598(B,124 ,43)		RS1/16S104J
	R 2599(A,107 ,114)		RS1/16S473J
	R 2625(A,58 ,99)		RS1/16S242J
	R 2626(A,74 ,99)		RS1/16S242J
	R 2627(A,60 ,100)		RS1/16S560J
	R 2628(A,72 ,100)		RS1/16S560J
	R 2629(A,58 ,101)		RS1/16S332J
C	R 2630(A,74 ,101)		RS1/16S332J
	R 2631(A,59 ,103)		RS1/16S0R0J
	R 2632(A,73 ,103)		RS1/16S0R0J
	R 2633(A,59 ,106)		RS1/16S222J
	R 2634(A,73 ,106)		RS1/16S222J
	R 2635(A,61 ,106)		RS1/16S101J
	R 2636(A,72 ,106)		RS1/16S101J
	R 2637(B,71 ,113)		RS1/16S474J
	R 2638(B,71 ,117)		RS1/16S474J
	R 2659(A,48 ,80)		RS1/16S0R0J
D	R 2660(A,46 ,85)		RS1/16S0R0J
	R 2661(B,46 ,90)		RS1/16S0R0J
	R 2662(B,43 ,93)		RS1/16S0R0J
	R 2663(B,81 ,104)		RS1/16S101J
	R 2664(B,81 ,96)		RS1/16S101J
	R 2665(B,81 ,85)		RS1/16S101J
	R 2666(B,80 ,79)		RS1/16S101J
	R 2667(B,80 ,68)		RS1/16S101J
	R 2668(B,80 ,64)		RS1/16S101J
	R 2669(B,67 ,40)		RS1/16S101J
	R 2670(B,67 ,36)		RS1/16S101J
E	R 2673(B,69 ,27)		RS1/16S101J
	R 2674(B,69 ,22)		RS1/16S101J
	R 2675(B,75 ,26)		RS1/16S563J
	R 2676(B,75 ,22)		RS1/16S563J
	R 2677(B,63 ,65)		RS1/16S102J
	R 2678(B,67 ,65)		RS1/16S102J
	R 2681(B,56 ,28)		RS1/16S102J
	R 2682(B,58 ,28)		RS1/16S102J
	R 2685(B,23 ,57)		RS1/16S472J
	R 2686(B,23 ,76)		RS1/16S472J
F	R 2687(B,23 ,59)		RS1/16S101J
	R 2688(B,23 ,74)		RS1/16S101J
	R 2689(A,59 ,94)		RS1/16S473J
	R 2692(B,77 ,41)		RS1/16S473J

Mark	No.	Description	Part No.
	R 2693(B,77 ,43)		RS1/16S473J
	R 2694(A,133 ,41)		RS1/16S102J
	R 2697(A,133 ,23)		RS1/16S472J
	R 2698(A,37 ,24)		RS1/16S0R0J
	R 2699(A,38 ,36)		RS1/16S0R0J
	R 2719(A,134 ,36)		RS1/16S102J
	R 2720(A,104 ,114)		RS1/16S473J
	R 2721(A,133 ,33)		RS1/16S473J
	R 2722(A,133 ,27)		RS1/16S472J
	R 2723(A,105 ,114)		RS1/16S473J
	R 2751(A,118 ,210)		RS1/16S472J
	R 2752(A,121 ,213)		RS1/16S472J
	R 2753(B,111 ,216)		RS1/16S472J
	R 2754(B,119 ,216)		RS1/16S472J
	R 2755(B,121 ,211)		RS1/16S180J
	R 2756(B,123 ,211)		RS1/16S180J
	R 2757(B,130 ,211)		RS1/16S103J
	R 2758(B,133 ,203)		RS1/16S103J
	R 2759(A,125 ,210)		RS1/16S102J
	R 2760(A,128 ,214)		RS1/16S0R0J
	R 2771(B,140 ,197)		RS1/16S0R0J
	R 2772(B,151 ,202)		RS1/16S391J
	R 2773(B,141 ,190)		RS1/16S221J
	R 2775(B,145 ,190)		RS1/16S472J
	R 9761(B,130 ,143)		RS1/16S0R0J

CAPACITORS

	C 2411(A,41 ,191)		CKSRYB103K50
	C 2412(A,41 ,187)		CKSRYB103K50
	C 2415(A,32 ,191)		CKSRYB103K50
	C 2416(A,32 ,187)		CKSRYB103K50
	C 2419(A,53 ,184)		CKSRYB103K50
	C 2420(A,53 ,181)		CKSRYB103K50
	C 2424(A,63 ,200)		CEAT101M10
	C 2425(A,57 ,200)		CEAT101M10
	C 2426(A,51 ,200)		CEAT101M10
	C 2427(B,65 ,211)		CKSRYB104K16
	C 2428(B,65 ,205)		CKSRYB104K16
	C 2431(A,69 ,213)		CEAT101M10
	C 2432(A,69 ,207)		CEAT101M10
	C 2434(B,99 ,222)		CCSRCH181J50
	C 2438(B,86 ,172)		CKSRYB103K50
	C 2439(B,27 ,191)		CKSRYB224K10
	C 2440(B,27 ,187)		CKSRYB224K10
	C 2453(B,18 ,221)		CKSRYB103K50
	C 2454(B,32 ,222)		CKSRYB103K50
	C 2455(B,62 ,223)		CKSRYB103K50
	C 2456(B,74 ,223)		CKSRYB103K50
	C 2457(B,94 ,219)		CKSRYB103K50
	C 2460(A,20 ,212)		CKSRYB104K16
	C 2467(A,38 ,167)	ELECT. CAPACITOR	CEAT102M6R3
	C 2468(A,39 ,176)		CEAT471M6R3
	C 2469(A,32 ,176)		CEAT471M6R3
	C 2501(A,84 ,105)		CEAT470M25
	C 2502(A,84 ,98)		CEAT470M25
	C 2503(A,101 ,107)		CEAT4R7M50
	C 2504(A,101 ,96)		CEAT4R7M50
	C 2505(A,96 ,104)		CKSRYB103K50
	C 2506(A,96 ,100)		CKSRYB103K50
	C 2507(A,107 ,104)		CKSRYB223K50
	C 2508(A,107 ,99)		CKSRYB223K50

Mark No.	Description	Part No.
C 2509	(A,109 ,107)	CEAT101M16
C 2510	(A,109 ,96)	CEAT101M16
C 2511	(A,117 ,109)	CCSRCH101J50
C 2512	(A,117 ,95)	CCSRCH101J50
C 2513	(A,120 ,100)	CKSRYB103K50
C 2514	(A,120 ,103)	CKSRYB103K50
C 2515	(A,121 ,107)	CEAT470M25
C 2516	(A,121 ,96)	CEAT470M25
C 2525	(A,84 ,87)	CEAT470M25
C 2526	(A,84 ,80)	CEAT470M25
C 2527	(A,101 ,89)	CEAT4R7M50
C 2528	(A,101 ,78)	CEAT4R7M50
C 2529	(A,96 ,86)	CKSRYB103K50
C 2530	(A,96 ,82)	CKSRYB103K50
C 2531	(A,107 ,86)	CKSRYB223K50
C 2532	(A,107 ,81)	CKSRYB223K50
C 2533	(A,109 ,89)	CEAT101M16
C 2534	(A,109 ,78)	CEAT101M16
C 2535	(A,117 ,90)	CCSRCH101J50
C 2536	(A,117 ,78)	CCSRCH101J50
C 2537	(A,120 ,82)	CKSRYB103K50
C 2538	(A,120 ,85)	CKSRYB103K50
C 2539	(A,121 ,89)	CEAT470M25
C 2540	(A,121 ,78)	CEAT470M25
C 2551	(A,84 ,69)	CEAT470M25
C 2552	(A,84 ,62)	CEAT470M25
C 2553	(A,101 ,71)	CEAT4R7M50
C 2554	(A,101 ,60)	CEAT4R7M50
C 2555	(A,96 ,68)	CKSRYB103K50
C 2556	(A,96 ,64)	CKSRYB103K50
C 2557	(A,107 ,68)	CKSRYB223K50
C 2558	(A,107 ,63)	CKSRYB223K50
C 2559	(A,109 ,71)	CEAT101M16
C 2560	(A,109 ,60)	CEAT101M16
C 2561	(A,117 ,72)	CCSRCH101J50
C 2562	(A,117 ,60)	CCSRCH101J50
C 2563	(A,120 ,64)	CKSRYB103K50
C 2564	(A,120 ,67)	CKSRYB103K50
C 2565	(A,121 ,71)	CEAT470M25
C 2566	(A,121 ,60)	CEAT470M25
C 2575	(A,70 ,39)	CEAT470M25
C 2576	(A,70 ,33)	CEAT470M25
C 2577	(A,101 ,53)	CEAT4R7M50
C 2578	(A,101 ,42)	CEAT4R7M50
C 2579	(A,96 ,50)	CKSRYB103K50
C 2580	(A,96 ,46)	CKSRYB103K50
C 2581	(A,107 ,50)	CKSRYB223K50
C 2582	(A,107 ,45)	CKSRYB223K50
C 2583	(A,109 ,53)	CEAT101M16
C 2584	(A,109 ,42)	CEAT101M16
C 2585	(A,117 ,54)	CCSRCH101J50
C 2586	(A,117 ,41)	CCSRCH101J50
C 2587	(A,120 ,46)	CKSRYB103K50
C 2588	(A,120 ,49)	CKSRYB103K50
C 2589	(A,121 ,53)	CEAT470M25
C 2590	(A,121 ,42)	CEAT470M25
C 2621	(B,147 ,117)	CKSRYB103K50
C 2623	(B,144 ,75)	CKSRYB104K16
C 2626	(A,23 ,61)	CEAT2R2M50
C 2627	(A,23 ,69)	CEAT2R2M50
C 2628	(A,34 ,61)	CEAT100M50
C 2629	(A,34 ,70)	CEAT100M50
C 2633	(A,61 ,103)	CCSRCH101J50
C 2634	(A,72 ,103)	CCSRCH101J50
C 2635	(B,68 ,107)	CKSRYB103K50
C 2636	(B,66 ,107)	CKSRYB103K50
C 2637	(A,74 ,112)	CEAT100M50
C 2638	(A,74 ,118)	CEAT100M50
C 2649	(A,61 ,94)	CKSRYB103K50
C 2650	(A,55 ,88)	CKSRYB103K50
C 2655	(B,69 ,48)	CKSRYB103K50
C 2656	(B,82 ,54)	CKSRYB103K50
C 2660	(A,50 ,59)	CEAT100M50
C 2661	(A,56 ,59)	CEAT100M50
C 2662	(A,62 ,59)	CEAT100M50
C 2663	(A,68 ,59)	CEAT100M50
C 2664	(B,66 ,69)	CCSRCH101J50
C 2665	(B,64 ,67)	CCSRCH101J50
C 2666	(A,70 ,67)	CKSRYB103K50
C 2667	(A,71 ,69)	CKSRYB103K50
C 2668	(A,70 ,71)	CKSRYB103K50
C 2675	(A,67 ,86)	CEAT100M50
C 2676	(A,73 ,86)	CEAT100M50
C 2677	(A,46 ,19)	CEAT100M50
C 2678	(A,51 ,19)	CEAT100M50
C 2679	(A,57 ,19)	CEAT100M50
C 2680	(A,63 ,19)	CEAT100M50
C 2681	(B,60 ,30)	CCSRCH101J50
C 2682	(B,54 ,30)	CCSRCH101J50
C 2683	(A,62 ,28)	CKSRYB103K50
C 2684	(A,64 ,31)	CKSRYB103K50
C 2685	(A,62 ,32)	CKSRYB103K50
C 2692	(A,48 ,44)	CEAT100M50
C 2693	(A,42 ,44)	CEAT100M50
C 2695	(A,72 ,27)	CEAT470M25
C 2696	(A,72 ,21)	CEAT470M25
C 2698	(A,131 ,24)	CKSRYB104K16
C 2699	(A,131 ,42)	CKSRYB473K25
C 2700	(A,131 ,22)	CKSRYB224K16
C 2714	(A,131 ,35)	CKSRYB473K25
C 2716	(A,131 ,28)	CKSRYB224K16
C 2717	(A,131 ,26)	CKSRYB104K16
C 2751	(B,107 ,220)	CKSRYB103K50
C 2752	(B,113 ,220)	CKSRYB103K50
C 2754	(A,131 ,205) ELECT. CAPACITOR	CEATR10M50
C 2771	(A,148 ,198)	CEAT101M16
C 2781	(B,151 ,217)	CKSRYB104K16
C 2782	(B,149 ,217)	CKSRYB471K50
C 2783	(B,151 ,213)	CKSRYB104K16
C 2784	(B,149 ,213)	CKSRYB471K50

L DIGITAL MOTHER ASSY (VSX-AX4AVi-S)

MISCELLANEOUS

IC 101	(A,46 ,158) CPU	PEG116A
IC 102	(A,46 ,180) FLASH ROM	AYW7084
IC1	FLASH MEMORY (4M)	MBM29F400TC-70PFTN
IC 103	(A,89 ,94) LOGIC IC	CD4094BPW
IC 104	(A,20 ,147) RESET IC	BU4842F
IC 105	(A,63 ,122) LOGIC IC	SN74AHCT32PW

Mark	No.	Description	Part No.
	IC 106	(A,63 ,133) LOGIC IC	SN74AHCT08PW
	IC 107	(A,83 ,138) IC	TC74VHCT125AFTS1
A	IC 108	(A,90 ,114) LOGIC IC	SN74LV244ATPW
	IC 181	(A,41 ,124) RDS DECODER IC	BU1924FS
	IC 201	(A,114 ,133) CPU	PEG117A
	IC 202	(A,114 ,154) FLASH ROM	AYW7080
	IC2	FLASH MEMORY(4M)	MBM29LV400TC-70PFTN
	IC 203	(A,133 ,107) LOGIC IC	CD4094BPW
	IC 204	(A,107 ,109) IC	TC74VHCT125AFTS1
	IC 205	(A,115 ,107) LOGIC IC	SN74AHC02PW
	IC 206	(A,84 ,127) LOGIC IC	SN74LV125APW
	IC 207	(A,92 ,127) LOGIC IC	SN74AHC08PW
	IC 208	(A,92 ,138) LOGIC IC	SN74LV244APW
B	IC 210	(A,92 ,150) LOGIC IC	SN74AHC04PW
	IC 211	(A,124 ,107) LOGIC IC	CD4094BPW
⚠	IC 221	(A,121 ,92) IC	NJM2391DL1-33
	IC 261	(A,43 ,208) USB CODEC IC	PCM2902EG
	IC 301	(A,105 ,200) DA I/F TRANSCEIVER	AK4114VQ
	IC 304	(A,15 ,195) LOGIC IC	SN74LVC1G97DCK
	IC 305	(A,22 ,195) LOGIC IC	SN74LVC1G97DCK
	IC 306	(A,89 ,168) LOGIC IC	SN74LV157APW
	IC 307	(A,79 ,168) LOGIC IC	SN74LV157APW
	IC 309	(A,124 ,175) LOGIC IC	SN74LV157APW
	IC 312	(A,67 ,190) LOGIC IC	SN74AHC08PW
C	IC 313	(A,77 ,190) LOGIC IC	SN74AHC08PW
	IC 314	(A,86 ,190) LOGIC IC	SN74AHC08PW
	IC 315	(A,53 ,79) LOGIC IC	SN74LV157APW
	IC 316	(A,64 ,79) LOGIC IC	SN74LV157APW
	IC 318	(A,24 ,180) LOGIC IC	SN74LVC1G97DCK
⚠	IC 321	(A,139 ,183) IC	NJM2391DL1-33
	IC 481	(A,119 ,77) OP-AMP IC	BA4560RF
	IC 482	(A,98 ,76) A/D CONVERTER	PCM1803DB
	IC 551	(A,119 ,52) D/A CONVERTER IC	DSD1791DBR
	IC 552	(A,119 ,35) OP-AMP IC	BA4560RF
	IC 651	(A,98 ,52) D/A CONVERTER IC	DSD1791DBR
D	IC 652	(A,98 ,35) OP-AMP IC	BA4560RF
	IC 751	(A,77 ,52) D/A CONVERTER IC	DSD1791DBR
	IC 752	(A,77 ,35) OP-AMP IC	BA4560RF
	IC 851	(A,56 ,52) D/A CONVERTER IC	DSD1791DBR
	IC 852	(A,56 ,35) OP-AMP IC	BA4560RF
⚠	IC 991	(A,136 ,54) IC	NJM2391DL1-33
	Q 101	(B,21 ,146) TRANSISTOR	DTC143TK
	Q 102	(B,24 ,134) DIGITAL TR(SC-70)	RT1P241M
	Q 103	(B,27 ,134) CHIP TR(DUAL)	RN2901
	Q 104	(B,14 ,135) CHIP TR (PNP X 2)	UMB1N
	Q 105	(A,23 ,17) CHIP TR (PNP X 2)	UMB1N
E			
	Q 106	(A,139 ,87) TRANSISTOR	RT1N241M
	Q 107	(A,28 ,17) CHIP TR (PNP X 2)	UMB1N
	Q 108	(A,138 ,70) CHIP TR (PNP X 2)	UMB1N
	Q 181	(A,34 ,128) TRANSISTOR	2SA1036K
	Q 182	(A,34 ,117) DIGITAL TR(SC-70)	RT1N431M
	Q 201	(B,20 ,24) TRANSISTOR	2SA1036K
	Q 202	(B,21 ,36) TRANSISTOR	RT1N241M
	Q 481	(B,129 ,77) TRANSISTOR	IMX25
	Q 482	(A,139 ,76) CHIP TRANSISTOR	RN4903
	D 101	(B,31 ,133) DIODE	DAN202U
F			
	D 102	(A,107 ,8) DIODE	DAN202U
	D 103	(A,112 ,8) DIODE	1SS355
	D 104	(A,51 ,17) DIODE	DAP202U
	D 105	(A,48 ,17) DIODE	DAN202U
	D 106	(A,57 ,12) DIODE	UDZS5R1(B)
	D 107	(B,19 ,137) DIODE	DAN202U
	D 108	(A,110 ,8) DIODE	RB520S-30
	D 109	(B,46 ,183) CHIP DIODE	RB501V-40
	D 114	(A,92 ,103) DIODE	1SS355
	D 115	(B,66 ,143) DIODE	1SS355
	D 116	(A,140 ,83) CHIP DIODE	RB501V-40
	D 201	(B,18 ,18) DIODE	DAN202U
	D 202	(B,115 ,157) CHIP DIODE	RB501V-40
	D 451	(B,108 ,74) DIODE	DAN217
	D 452	(B,108 ,79) DIODE	DAN217
	L 101	(A,17 ,124) CHIP SOLID INDUCTOR	ATL7002
	L 102	(B,34 ,16) CHIP SOLID INDUCTOR	ATL7002
	L 181	(A,36 ,124) CHIP SOLID INDUCTOR	QTL1013
	L 201	(A,129 ,98) CHIP SOLID INDUCTOR	QTL1013
	L 301	(A,85 ,215) CHIP SOLID INDUCTOR	QTL1013
	L 303	(A,99 ,208) CHIP SOLID INDUCTOR	QTL1013
	L 304	(A,93 ,207) CHIP SOLID INDUCTOR	QTL1013
	L 305	(A,22 ,200) CHIP SOLID INDUCTOR	QTL1013
	L 306	(A,75 ,171) CHIP SOLID INDUCTOR	QTL1013
	L 307	(A,80 ,82) CHIP SOLID INDUCTOR	QTL1013
	L 308	(A,63 ,193) CHIP SOLID INDUCTOR	QTL1013
	L 309	(A,22 ,187) CHIP SOLID INDUCTOR	QTL1013
	L 311	(A,84 ,171) CHIP SOLID INDUCTOR	QTL1013
	L 313	(A,120 ,178) CHIP SOLID INDUCTOR	QTL1013
	L 314	(A,72 ,193) CHIP SOLID INDUCTOR	QTL1013
	L 316	(A,81 ,193) CHIP SOLID INDUCTOR	QTL1013
	L 481	(A,108 ,86) CHIP SOLID INDUCTOR	QTL1013
	L 482	(A,89 ,79) CHIP SOLID INDUCTOR	QTL1013
	L 551	(A,114 ,61) CHIP SOLID INDUCTOR	QTL1013
	L 552	(A,128 ,48) CHIP SOLID INDUCTOR	QTL1013
	L 651	(A,94 ,61) CHIP SOLID INDUCTOR	QTL1013
	L 652	(A,107 ,48) CHIP SOLID INDUCTOR	QTL1013
	L 751	(A,72 ,61) CHIP SOLID INDUCTOR	QTL1013
	L 752	(A,86 ,48) CHIP SOLID INDUCTOR	QTL1013
	L 851	(A,51 ,61) CHIP SOLID INDUCTOR	QTL1013
	L 852	(A,65 ,48) CHIP SOLID INDUCTOR	QTL1013
	JA261	(A,43 ,232) USB CONNECTOR	DKN1237
	JA301	(A,119 ,232) PIN JACK(2P)	AKB7173
	JA302	(A,98 ,232) OPT. LINK IN	AKS7001
	JA303	(A,84 ,232) OPT. LINK IN	AKS7001
	JA304	(A,70 ,232) OPT. LINK IN	AKS7001
	JA305	(A,57 ,232) OPT. LINK IN	AKS7001
	JA306	(A,28 ,232) OPT. LINK OUT	AKS7002
	JA307	(A,15 ,232) OPT. LINK OUT	AKS7002
	X 101	(A,46 ,146) CERAMIC RESONATOR (15.7MHz)	XSS3004
	X 181	(A,44 ,114) CRYSTAL RESONATOR (4.332MHz)	ASS7004
	X 201	(A,114 ,121) CERAMIC RESONATOR (15.7MHz)	XSS3004
	X 261	(A,38 ,198) CRYSTAL RESONATOR (12.00MHz)	ASS7047
	X 301	(A,102 ,190) CRYSTAL RESONATOR (24.567MHz)	XSS3003
	CN101	(A,70 ,7) 23P CONNECTOR	52045-2345
	CN102	(A,142 ,19) 11P SOCKET	XKP3076
	CN103	(A,52 ,11) 19P CONNECTOR	52045-1945
	CN104	(A,146 ,84) B TO B CONNCTOR	BTEM16P-1R
	CN105	(A,17 ,48) 23P SOCKET	XKP3082
	CN201	(A,146 ,191) 4P SOCKET	KP200TA4L

Mark No.	Description	Part No.
CN301	(A,57 ,200) 26P PLUG	AKM7054
CN302	(A,39 ,98) 26P PLUG	AKM7054
CN303	(A,18 ,165) 22P CONNECTOR	RKN1063
CN304	(A,142 ,167) 23P SOCKET	XKP3083
CN305	(A,17 ,105) 10P CONNECTOR	AKN7041
CN991	(A,146 ,25) B TO B CONNCTOR	BTEM20P-1R
CN992	(A,146 ,55) B TO B CONNCTOR	BTEM20P-1R

RESISTORS

R 101	(A,45 ,17)	RS1/16S105J
R 102	(A,33 ,143)	RAB4C101J
R 103	(A,42 ,143)	RAB4C101J
R 104	(B,37 ,142)	RS1/16S104J
R 105	(A,35 ,143)	RS1/16S101J
R 106	(A,37 ,143)	RS1/16S101J
R 107	(B,39 ,142)	RS1/16S104J
R 108	(B,41 ,147)	RS1/16S512J
R 110	(A,38 ,143)	RS1/16S101J
R 111	(A,40 ,143)	RS1/16S101J
R 112	(B,45 ,153)	RS1/16S101J
R 113	(B,47 ,158)	RS1/16S473J
R 115	(A,54 ,143)	RAB4C101J
R 116	(A,58 ,143)	RAB4C101J
R 117	(B,54 ,150)	RS1/16S104J
R 119	(B,58 ,147)	RS1/16S222J
R 120	(A,61 ,143)	RS1/16S101J
R 121	(A,30 ,162)	RS1/16S101J
R 122	(B,36 ,153)	RS1/16S474J
R 123	(A,61 ,150)	RAB4C101J
R 124	(A,61 ,155)	RAB4C101J
R 126	(B,17 ,129)	RS1/16S473J
R 127	(B,51 ,155)	RS1/16S104J
R 128	(B,61 ,159)	RS1/16S473J
R 129	(A,61 ,158)	RS1/16S473J
R 131	(B,49 ,155)	RS1/16S104J
R 132	(A,61 ,162)	RAB4C101J
R 133	(A,61 ,166)	RAB4C101J
R 134	(B,61 ,163)	RS1/16S473J
R 135	(A,56 ,171)	RS1/16S101J
R 136	(B,19 ,132)	RS1/16S471J
R 137	(A,32 ,158)	RAB4C101J
R 138	(B,38 ,158)	RS1/16S474J
R 139	(B,36 ,158)	RS1/16S104J
R 140	(B,53 ,155)	RS1/16S474J
R 141	(B,41 ,158)	RS1/16S473J
R 142	(B,38 ,153)	RS1/16S473J
R 144	(B,40 ,153)	RS1/16S473J
R 145	(A,31 ,148)	RS1/16S101J
R 146	(B,46 ,179)	RS1/16S104J
R 147	(B,36 ,178)	RS1/16S473J
R 149	(B,91 ,93)	RS1/16S473J
R 150	(B,89 ,93)	RS1/16S473J
R 151	(B,50 ,150)	RS1/16S104J
R 153	(B,31 ,129)	RS1/16S471J
R 154	(B,29 ,129)	RS1/16S473J
R 155	(B,21 ,132)	RS1/16S102J
R 156	(B,24 ,129)	RS1/16S473J
R 157	(B,16 ,145)	RS1/16S470J
R 161	(B,54 ,17)	RS1/16S105J

Mark No.	Description	Part No.
R 162	(B,56 ,12)	RS1/16S223J
R 164	(A,20 ,150)	RS1/16S104J
R 165	(B,33 ,163)	RS1/16S101J
R 166	(B,88 ,116)	RS1/16S104J
R 167	(B,94 ,110)	RS1/16S104J
R 168	(B,90 ,112)	RS1/16S104J
R 169	(B,85 ,129)	RS1/16S104J
R 170	(B,85 ,140)	RS1/16S104J
R 171	(A,80 ,133)	RS1/16S101J
R 172	(B,83 ,129)	RS1/16S104J
R 173	(A,48 ,143)	RS1/16S101J
R 174	(B,50 ,143)	RS1/16S101J
R 176	(A,83 ,144)	RS1/16S101J
R 177	(B,75 ,146)	RS1/16S0R0J
R 178	(A,87 ,145)	RS1/16S0R0J
R 179	(B,25 ,143)	RS1/16S103J
R 180	(B,27 ,153)	RS1/16S222J
R 181	(A,34 ,125)	RS1/16S473J
R 182	(A,33 ,123)	RS1/16S222J
R 183	(A,47 ,126)	RS1/16S102J
R 184	(B,46 ,129)	RS1/16S102J
R 185	(A,47 ,123)	RS1/16S102J
R 186	(A,50 ,143)	RS1/16S101J
R 187	(A,51 ,143)	RS1/16S101J
R 188	(B,29 ,153)	RS1/16S103J
R 191	(B,106 ,129)	RS1/16S473J
R 192	(B,121 ,131)	RS1/16S473J
R 195	(B,123 ,131)	RS1/16S473J
R 197	(B,83 ,140)	RS1/16S182J
R 198	(A,86 ,153)	RS1/16S0R0J
R 199	(A,137 ,149) RESISTOR ARRAY	RAB4C104J
R 201	(A,102 ,125)	RAB4C101J
R 202	(A,106 ,121)	RAB4C101J
R 203	(B,108 ,129)	RS1/16S472J
R 204	(B,108 ,133)	RS1/16S473J
R 205	(A,109 ,121)	RS1/16S101J
R 206	(B,111 ,130)	RS1/16S101J
R 207	(B,113 ,130)	RS1/16S473J
R 208	(B,115 ,130)	RS1/16S473J
R 209	(A,119 ,118)	RAB4C101J
R 210	(A,124 ,122)	RAB4C101J
R 211	(A,124 ,118)	RAB4C473J
R 214	(A,127 ,127)	RAB4C101J
R 215	(A,127 ,129)	RS1/16S101J
R 216	(A,127 ,131)	RS1/16S101J
R 217	(A,121 ,114)	RS1/16S473J
R 218	(A,127 ,133)	RAB4C101J
R 219	(B,90 ,116)	RS1/16S104J
R 220	(A,127 ,136)	RS1/16S101J
R 221	(B,117 ,133)	RS1/16S473J
R 222	(A,127 ,137)	RS1/16S473J
R 223	(B,118 ,138)	RS1/16S473J
R 224	(B,131 ,139)	RS1/16S101J
R 225	(A,127 ,140)	RS1/16S101J
R 226	(B,133 ,139)	RS1/16S101J
R 227	(A,102 ,133)	RAB4C101J
R 228	(B,110 ,136)	RS1/16S473J
R 230	(B,104 ,129)	RS1/16S101J
R 231	(A,22 ,147)	RS1/16S104J
R 232	(B,115 ,153)	RS1/16S104J

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	R 234	(B,104 ,151)	RS1/16S473J		R 340	(A,90 ,161)	RS1/16S101J
	R 237	(A,134 ,99)	RS1/16S473J		R 341	(A,92 ,161)	RS1/16S470J
	R 238	(A,133 ,114)	RAB4C473J		R 343	(A,89 ,175)	RS1/16S101J
A	R 239	(B,114 ,105)	RS1/16S104J		R 344	(A,90 ,175)	RS1/16S101J
	R 240	(B,116 ,105)	RS1/16S104J		R 345	(A,92 ,175)	RS1/16S470J
	R 241	(A,109 ,115)	RS1/16S101J		R 347	(A,84 ,175)	RS1/16S101J
	R 242	(A,29 ,176)	RS1/16S104J		R 348	(A,86 ,175)	RS1/16S101J
	R 243	(A,29 ,177)	RS1/16S104J		R 349	(A,87 ,175)	RS1/16S470J
	R 244	(B,108 ,138)	RS1/16S473J		R 351	(A,74 ,161)	RS1/16S101J
	R 246	(B,89 ,140)	RS1/16S104J		R 352	(A,75 ,161)	RS1/16S101J
	R 247	(B,87 ,140)	RS1/16S104J		R 353	(A,77 ,161)	RS1/16S470J
	R 248	(B,96 ,139)	RS1/16S104J		R 356	(A,81 ,161)	RS1/16S470J
	R 249	(B,94 ,140)	RS1/16S104J		R 359	(A,82 ,175)	RS1/16S470J
	R 250	(B,104 ,147)	RS1/16S104J		R 360	(A,75 ,175)	RS1/16S101J
B	R 251	(B,115 ,140)	RS1/16S104J		R 361	(A,76 ,175)	RS1/16S101J
	R 252	(B,106 ,143)	RS1/16S104J		R 362	(A,78 ,175)	RS1/16S470J
	R 253	(A,86 ,150)	RS1/16S104J		R 366	(A,102 ,167)	RS1/16S0R0J
	R 254	(B,78 ,129)	RS1/16S0R0J		R 370	(A,107 ,167)	RS1/16S0R0J
	R 256	(A,102 ,138)	RS1/16S101J		R 374	(A,107 ,185)	RS1/16S0R0J
	R 258	(A,111 ,121)	RS1/16S101J		R 378	(A,103 ,183)	RS1/16S0R0J
	R 259	(B,19 ,30)	RS1/16S222J		R 379	(A,119 ,168)	RS1/16S101J
	R 260	(A,138 ,118)	RS1/16S0R0J		R 380	(A,121 ,168)	RS1/16S101J
	R 261	(A,48 ,214)	RS1/16S220J		R 381	(A,122 ,168)	RS1/16S470J
	R 262	(A,46 ,214)	RS1/16S220J		R 383	(A,124 ,168)	RS1/16S101J
	R 263	(A,48 ,200)	RS1/16S470J		R 384	(A,125 ,168)	RS1/16S101J
C	R 264	(A,43 ,202)	RS1/16S105J		R 385	(A,127 ,168)	RS1/16S470J
	R 265	(A,39 ,202)	RS1/16S222J		R 387	(A,123 ,182)	RS1/16S101J
	R 266	(B,48 ,213)	RS1/16S152J		R 388	(A,125 ,182)	RS1/16S101J
	R 267	(B,41 ,225)	RS1/16S0R0J		R 389	(A,126 ,182)	RS1/16S470J
	R 268	(B,44 ,225)	RS1/16S0R0J		R 395	(B,70 ,79)	RS1/16S0R0J
	R 271	(B,21 ,30)	RS1/16S473J		R 400	(B,71 ,75)	RS1/16S0R0J
	R 272	(A,125 ,99)	RAB4C473J		R 405	(B,72 ,79)	RS1/16S0R0J
	R 274	(A,124 ,114)	RS1/16S473J		R 410	(B,73 ,75)	RS1/16S0R0J
	R 276	(B,129 ,216)	RS1/16S0R0J		R 411	(B,96 ,129)	RS1/16S0R0J
	R 301	(B,96 ,220)	RS1/16S101J		R 413	(B,92 ,129)	RS1/16S0R0J
D	R 302	(B,83 ,219)	RS1/16S101J		R 415	(B,74 ,79)	RS1/16S0R0J
	R 303	(B,69 ,219)	RS1/16S101J		R 416	(B,70 ,117)	RS1/16S0R0J
	R 304	(B,56 ,219)	RS1/16S101J		R 418	(B,74 ,117)	RS1/16S0R0J
	R 307	(B,127 ,223)	RS1/16S750J		R 420	(B,75 ,75)	RS1/16S0R0J
	R 308	(B,116 ,223)	RS1/16S750J		R 422	(B,19 ,197)	RS1/16S0R0J
	R 309	(B,125 ,219)	RS1/16S100J		R 425	(B,76 ,79)	RS1/16S0R0J
	R 310	(B,112 ,223)	RS1/16S100J		R 426	(B,68 ,192)	RS1/16S101J
	R 319	(A,96 ,205)	RS1/16S101J		R 427	(B,66 ,192)	RS1/16S101J
	R 320	(A,96 ,201)	RS1/16S101J		R 428	(A,70 ,196)	RS1/16S220J
	R 321	(A,114 ,198)	RS1/16S1802F		R 429	(A,66 ,196)	RS1/16S470J
E	R 322	(A,93 ,193)	RS1/16S470J		R 430	(A,69 ,206)	RS1/16S473J
	R 323	(A,95 ,193)	RS1/16S101J		R 431	(A,137 ,161) RESISTOR ARRAY	RAB4C104J
	R 324	(B,91 ,193)	RS1/16S101J		R 432	(A,137 ,157) RESISTOR ARRAY	RAB4C104J
	R 325	(B,93 ,193)	RS1/16S101J		R 433	(A,24 ,157) RESISTOR ARRAY	RAB4C104J
	R 326	(B,95 ,193)	RS1/16S101J		R 434	(A,24 ,161) RESISTOR ARRAY	RAB4C104J
	R 327	(A,108 ,191)	RS1/16S221J		R 435	(A,24 ,102)	RS1/16S104J
	R 328	(A,110 ,191)	RAB4C221J		R 436	(A,24 ,104)	RS1/16S104J
	R 329	(A,113 ,191)	RS1/16S101J		R 437	(A,24 ,105)	RS1/16S104J
	R 330	(A,114 ,194)	RS1/16S0R0J		R 438	(A,24 ,108) RESISTOR ARRAY	RAB4C104J
	R 331	(A,69 ,216)	RS1/16S0R0J		R 439	(A,69 ,184)	RS1/16S0R0J
	R 333	(A,17 ,195)	RS1/16S101J		R 440	(A,66 ,184)	RS1/16S101J
F	R 335	(A,84 ,161)	RS1/16S101J		R 441	(A,70 ,184)	RS1/16S470J
	R 336	(A,86 ,161)	RS1/16S101J		R 442	(A,67 ,184)	RS1/16S470J
	R 337	(A,87 ,161)	RS1/16S470J		R 443	(A,75 ,184)	RS1/16S0R0J
	R 339	(A,89 ,161)	RS1/16S101J		R 444	(A,78 ,184)	RS1/16S0R0J

Mark No.	Description	Part No.
R 445	(B,78 ,195)	RS1/16S0R0J
R 446	(B,73 ,195)	RS1/16S0R0J
R 447	(A,76 ,184)	RS1/16S470J
R 448	(A,79 ,184)	RS1/16S470J
R 449	(B,74 ,188)	RS1/16S470J
R 450	(B,76 ,188)	RS1/16S470J
R 453	(A,130 ,73)	RS1/16S752J
R 454	(A,130 ,80)	RS1/16S752J
R 455	(A,130 ,75)	RS1/16S822J
R 456	(A,130 ,78)	RS1/16S822J
R 457	(B,128 ,71)	RS1/16S392J
R 458	(B,128 ,82)	RS1/16S392J
R 461	(A,137 ,76)	RS1/16S223J
R 462	(A,137 ,77)	RS1/16S223J
R 463	(B,122 ,72)	RS1/16S104J
R 464	(B,122 ,81)	RS1/16S104J
R 465	(A,108 ,73)	RS1/16S101J
R 466	(A,108 ,79)	RS1/16S101J
R 472	(B,95 ,114)	RS1/16S0R0J
R 473	(B,97 ,114)	RS1/16S0R0J
R 474	(B,139 ,118)	RS1/16S0R0J
R 475	(B,137 ,118)	RS1/16S0R0J
R 480	(A,144 ,172)	RS1/16S0R0J
R 481	(B,99 ,82)	RS1/16S101J
R 482	(B,96 ,82)	RS1/16S101J
R 483	(A,91 ,76)	RS1/16S101J
R 484	(A,99 ,82)	RS1/16S470J
R 485	(A,98 ,82)	RS1/16S101J
R 487	(A,137 ,74)	RS1/16S104J
R 488	(A,23 ,177)	RS1/16S101J
R 489	(A,26 ,183)	RS1/16S470J
R 491	(A,83 ,184)	RS1/16S101J
R 493	(B,87 ,193)	RS1/16S101J
R 494	(B,85 ,193)	RS1/16S470J
R 495	(A,85 ,184)	RS1/16S470J
R 496	(A,88 ,184)	RS1/16S470J
R 497	(B,89 ,193)	RS1/16S470J
R 501	(A,127 ,40)	RS1/16S222J
R 502	(A,111 ,40)	RS1/16S222J
R 503	(A,124 ,40)	RS1/16S222J
R 504	(A,115 ,40)	RS1/16S222J
R 505	(B,127 ,36)	RS1/16S362J
R 506	(B,111 ,36)	RS1/16S362J
R 507	(B,125 ,36)	RS1/16S101J
R 508	(B,113 ,36)	RS1/16S101J
R 509	(A,127 ,34)	RS1/16S362J
R 510	(A,111 ,34)	RS1/16S362J
R 511	(A,127 ,36)	RS1/16S101J
R 512	(A,111 ,36)	RS1/16S101J
R 513	(A,127 ,37)	RS1/16S122J
R 514	(A,111 ,37)	RS1/16S122J
R 515	(A,125 ,38)	RS1/16S122J
R 516	(A,114 ,38)	RS1/16S122J
R 517	(B,121 ,31)	RS1/16S474J
R 518	(B,117 ,31)	RS1/16S474J
R 519	(B,123 ,26)	RS1/16S221J
R 520	(B,115 ,26)	RS1/16S221J
R 551	(A,112 ,54)	RS1/16S101J
R 552	(A,112 ,58)	RS1/16S101J
R 553	(A,112 ,56)	RS1/16S101J
R 554	(A,112 ,59)	RS1/16S0R0J
R 555	(A,112 ,55)	RS1/16S101J
R 556	(A,127 ,55)	RS1/16S0R0J
R 557	(A,127 ,53)	RS1/16S0R0J
R 558	(A,127 ,59)	RS1/16S221J
R 559	(A,127 ,58)	RS1/16S221J
R 560	(A,127 ,56)	RS1/16S221J
R 561	(A,112 ,53)	RS1/16S221J
R 601	(A,106 ,40)	RS1/16S222J
R 602	(A,90 ,40)	RS1/16S222J
R 603	(A,103 ,40)	RS1/16S222J
R 604	(A,94 ,40)	RS1/16S222J
R 605	(B,106 ,36)	RS1/16S302J
R 606	(B,90 ,36)	RS1/16S682J
R 607	(B,104 ,36)	RS1/16S101J
R 608	(B,92 ,36)	RS1/16S101J
R 609	(A,106 ,34)	RS1/16S302J
R 610	(A,90 ,34)	RS1/16S682J
R 611	(A,106 ,36)	RS1/16S101J
R 612	(A,90 ,36)	RS1/16S101J
R 613	(A,106 ,37)	RS1/16S152J
R 614	(A,90 ,37)	RS1/16S102J
R 615	(A,104 ,38)	RS1/16S152J
R 616	(A,93 ,38)	RS1/16S102J
R 617	(B,100 ,31)	RS1/16S474J
R 618	(B,96 ,31)	RS1/16S474J
R 619	(B,102 ,26)	RS1/16S221J
R 620	(B,94 ,26)	RS1/16S221J
R 651	(A,91 ,54)	RS1/16S101J
R 652	(A,91 ,58)	RS1/16S101J
R 653	(A,91 ,56)	RS1/16S101J
R 654	(A,91 ,59)	RS1/16S0R0J
R 655	(A,91 ,55)	RS1/16S101J
R 656	(A,106 ,55)	RS1/16S0R0J
R 657	(A,106 ,53)	RS1/16S0R0J
R 658	(A,106 ,59)	RS1/16S221J
R 659	(A,106 ,58)	RS1/16S221J
R 660	(A,106 ,56)	RS1/16S221J
R 661	(A,91 ,53)	RS1/16S221J
R 701	(A,85 ,40)	RS1/16S222J
R 702	(A,69 ,40)	RS1/16S222J
R 703	(A,82 ,40)	RS1/16S222J
R 704	(A,73 ,40)	RS1/16S222J
R 705	(B,85 ,36)	RS1/16S302J
R 706	(B,69 ,36)	RS1/16S302J
R 707	(B,83 ,36)	RS1/16S101J
R 708	(B,71 ,36)	RS1/16S101J
R 709	(A,85 ,34)	RS1/16S302J
R 710	(A,69 ,34)	RS1/16S302J
R 711	(A,85 ,36)	RS1/16S101J
R 712	(A,69 ,36)	RS1/16S101J
R 713	(A,85 ,37)	RS1/16S152J
R 714	(A,69 ,37)	RS1/16S152J
R 715	(A,83 ,38)	RS1/16S152J
R 716	(A,72 ,38)	RS1/16S152J
R 717	(B,79 ,31)	RS1/16S474J
R 718	(B,75 ,31)	RS1/16S474J
R 719	(B,81 ,26)	RS1/16S221J
R 720	(B,73 ,26)	RS1/16S221J
R 751	(A,70 ,54)	RS1/16S101J

Mark	No.	Description	Part No.
	R 752	(A,70 ,58)	RS1/16S101J
	R 753	(A,70 ,56)	RS1/16S101J
	R 754	(A,70 ,59)	RS1/16S0R0J
A	R 755	(A,70 ,55)	RS1/16S101J
	R 756	(A,85 ,55)	RS1/16S0R0J
	R 757	(A,85 ,53)	RS1/16S0R0J
	R 758	(A,85 ,59)	RS1/16S221J
	R 759	(A,85 ,58)	RS1/16S221J
	R 760	(A,85 ,56)	RS1/16S221J
	R 761	(A,70 ,53)	RS1/16S221J
	R 801	(A,64 ,40)	RS1/16S222J
	R 802	(A,48 ,40)	RS1/16S222J
	R 803	(A,61 ,40)	RS1/16S222J
	R 804	(A,52 ,40)	RS1/16S222J
B	R 805	(B,64 ,36)	RS1/16S302J
	R 806	(B,48 ,36)	RS1/16S302J
	R 807	(B,62 ,36)	RS1/16S101J
	R 808	(B,50 ,36)	RS1/16S101J
	R 809	(A,64 ,34)	RS1/16S302J
	R 810	(A,48 ,34)	RS1/16S302J
	R 811	(A,64 ,36)	RS1/16S101J
	R 812	(A,48 ,36)	RS1/16S101J
	R 813	(A,64 ,37)	RS1/16S152J
	R 814	(A,48 ,37)	RS1/16S152J
	R 815	(A,62 ,38)	RS1/16S152J
C	R 816	(A,51 ,38)	RS1/16S152J
	R 817	(B,58 ,31)	RS1/16S474J
	R 818	(B,54 ,31)	RS1/16S474J
	R 819	(B,60 ,26)	RS1/16S221J
	R 820	(B,52 ,26)	RS1/16S221J
	R 851	(A,49 ,54)	RS1/16S101J
	R 852	(A,49 ,58)	RS1/16S101J
	R 853	(A,49 ,56)	RS1/16S101J
	R 854	(A,49 ,59)	RS1/16S0R0J
	R 858	(A,64 ,59)	RS1/16S221J
D	R 859	(A,64 ,58)	RS1/16S221J
	R 860	(A,64 ,56)	RS1/16S221J
	R 861	(A,49 ,53)	RS1/16S221J
	R 864	(B,53 ,55)	RS1/16S0R0J
	R 950	(A,43 ,55)	RS1/16S0R0J
	R 963	(A,16 ,191)	RS1/16S0R0J
	R 964	(B,14 ,190)	RS1/16S101J
	R 966	(B,21 ,190)	RS1/16S101J
	R 969	(B,25 ,195)	RS1/16S0R0J
	R 972	(A,50 ,73)	RS1/16S0R0J
	R 973	(A,52 ,73)	RS1/16S470J
E	R 975	(A,53 ,73)	RS1/16S101J
	R 976	(A,55 ,73)	RS1/16S101J
	R 977	(A,56 ,73)	RS1/16S470J
	R 980	(A,54 ,85)	RS1/16S0R0J
	R 981	(A,56 ,85)	RS1/16S470J
	R 984	(A,61 ,73)	RS1/16S0R0J
	R 985	(A,62 ,73)	RS1/16S470J
	R 988	(A,65 ,73)	RS1/16S0R0J
	R 989	(A,67 ,73)	RS1/16S470J
	R 990		RS1/16S0R0J
	R 992	(A,65 ,85)	RS1/16S0R0J
F	R 993	(A,67 ,85)	RS1/16S470J
	R 994	(A,59 ,85)	RS1/16S0R0J
	R 997		RS1/16S0R0J
	R 998	(A,50 ,85)	RS1/16S101J
	R 999	(A,51 ,85)	RS1/16S220J
	R 9983		RS1/16S0R0J
	R 9984		RS1/16S0R0J
	R 9989		RS1/16S0R0J
	R 9990		RS1/16S0R0J

CAPACITORS

	C 101	(B,14 ,38)	CKSRYB103K50
	C 102	(A,11 ,38) ELECTR.CAPACITOR	CEAT102M10
	C 103	(A,18 ,126)	CKSRYB103K50
	C 105	(A,33 ,148)	CKSRYB104K16
	C 106	(A,34 ,148)	CKSRYB471K50
	C 108	(A,46 ,141)	CKSRYB104K16
	C 109	(A,46 ,143)	CKSRYB471K50
	C 110	(A,59 ,148)	CKSRYB104K16
	C 111	(A,57 ,148)	CKSRYB471K50
	C 114	(A,45 ,170)	CKSRYB104K16
	C 115	(A,45 ,169)	CKSRYB471K50
	C 116	(A,33 ,181)	CKSRYB104K16
	C 117	(A,34 ,181)	CKSRYB471K50
	C 118	(A,86 ,94)	CKSRYB104K16
	C 120	(B,26 ,129)	CKSRYB472K50
	C 121	(B,21 ,129)	CKSRYB103K50
	C 122	(A,16 ,141)	CEAT471M6R3
	C 123	(B,52 ,17)	CKSRYB473K25
	C 124	(B,46 ,17)	CKSRYB473K25
	C 125	(A,62 ,13)	CEAT100M50
	C 126	(A,18 ,147)	CKSRYB105K10
	C 127	(B,19 ,129)	CKSRYB472K50
	C 128	(A,85 ,114)	CKSRYB104K16
	C 130	(A,59 ,133)	CKSRYB104K16
	C 131	(A,79 ,138)	CKSRYB104K16
	C 132	(A,59 ,122)	CKSRYB104K16
	C 133	(A,93 ,17)	CKSRYB104K16
	C 135	(B,48 ,150)	CKSRYB472K50
	C 181	(A,47 ,134)	CEJQ2R2M50
	C 183	(A,38 ,129)	CKSRYB561K50
	C 184	(A,38 ,134)	CEJQ101M10
	C 185	(A,40 ,119)	CKSRYB102K50
	C 186	(B,40 ,118)	CCSRCH270J50
	C 187	(B,43 ,118)	CCSRCH270J50
	C 190	(B,44 ,129)	CKSRYB472K50
	C 201	(A,120 ,108)	CKSRYB104K16
	C 202	(A,114 ,116)	CKSRYB104K16
	C 203	(A,114 ,118)	CKSRYB471K50
	C 204	(A,115 ,145)	CKSRYB104K16
	C 205	(A,115 ,143)	CKSRYB471K50
	C 206	(A,101 ,129)	CKSRYB104K16
	C 207	(A,103 ,129)	CKSRYB471K50
	C 208	(A,15 ,17) ELECTR.CAPACITOR	CEAT102M10
	C 209	(A,101 ,155)	CKSRYB104K16
	C 210	(A,102 ,155)	CKSRYB471K50
	C 211	(A,129 ,108)	CKSRYB104K16
	C 212	(A,103 ,109)	CKSRYB104K16
	C 213	(A,111 ,108)	CKSRYB104K16
	C 215	(A,80 ,127)	CKSRYB104K16
	C 216	(A,88 ,127)	CKSRYB104K16
	C 217	(A,87 ,138)	CKSRYB104K16
	C 219	(A,88 ,150)	CKSRYB104K16

Mark No.	Description	Part No.
C 221	(A,129 ,89)	CKSRYB104K16
C 222	(A,131 ,93)	CEAT331M10
C 261	(A,51 ,216)	CEAT470M16
C 262	(A,50 ,209)	CKSRYB104K16
C 263	(A,48 ,202)	CKSRYB104K16
C 264	(B,46 ,206)	CKSRYB104K16
C 265	(B,42 ,209)	CKSRYB104K16
C 266	(B,39 ,209)	CKSRYB104K16
C 267	(A,41 ,213)	CKSRYB104K16
C 269	(A,38 ,214)	CKSRYB104K16
C 270	(B,43 ,202)	CCSRCH180J50
C 271	(B,38 ,202)	CCSRCH220J50
C 272	(B,38 ,215)	CKSRYB103K50
C 301	(A,79 ,214)	CEJQ101M10
C 302	(B,99 ,220)	CKSRYB104K16
C 303	(B,86 ,219)	CKSRYB104K16
C 304	(B,72 ,219)	CKSRYB104K16
C 305	(B,59 ,219)	CKSRYB104K16
C 306	(B,27 ,219)	CKSRYB104K16
C 307	(B,15 ,219)	CKSRYB104K16
C 308	(B,127 ,219)	CKSRYB103K50
C 309	(B,114 ,223)	CKSRYB103K50
C 319	(A,119 ,195)	CEJQ101M6R3
C 320	(A,114 ,195)	CKSRYB104K16
C 321	(A,114 ,197)	CKSRYB471K50
C 322	(A,96 ,216)	CEJQ101M10
C 323	(A,98 ,205)	CKSRYB104K16
C 324	(A,98 ,204)	CKSRYB471K50
C 325	(A,88 ,210)	CEJQ101M6R3
C 326	(A,97 ,197)	CKSRYB104K16
C 327	(A,99 ,197)	CKSRYB471K50
C 328	(A,100 ,193)	CCSRCH120J50
C 329	(A,103 ,193)	CCSRCH120J50
C 330	(A,114 ,200)	CKSRYB474K10
C 332	(A,19 ,205)	CEAT101M10
C 333	(A,12 ,195)	CKSRYB104K16
C 334	(A,13 ,195)	CKSRYB471K50
C 335	(A,19 ,195)	CKSRYB104K16
C 336	(A,20 ,195)	CKSRYB471K50
C 338	(A,83 ,168)	CKSRYB104K16
C 339	(A,85 ,168)	CKSRYB471K50
C 340	(A,74 ,168)	CKSRYB104K16
C 341	(A,75 ,168)	CKSRYB471K50
C 344	(A,119 ,175)	CKSRYB104K16
C 345	(A,120 ,175)	CKSRYB471K50
C 346	(A,84 ,79)	CEAT331M10
C 352	(A,61 ,190)	CKSRYB104K16
C 353	(A,63 ,190)	CKSRYB471K50
C 354	(A,66 ,94)	CKSRYB104K16
C 355	(A,24 ,166)	CKSRYB104K16
C 357	(A,144 ,187)	CKSRYB104K16
C 358	(A,136 ,193)	CEAT331M10
C 359	(A,71 ,190)	CKSRYB104K16
C 360	(A,73 ,190)	CKSRYB471K50
C 361	(A,80 ,190)	CKSRYB104K16
C 362	(A,82 ,190)	CKSRYB471K50
C 363	(A,47 ,79)	CKSRYB104K16
C 364	(A,49 ,79)	CKSRYB471K50
C 365	(A,59 ,79)	CKSRYB104K16
C 366	(A,60 ,79)	CKSRYB471K50
C 367	(A,19 ,184)	CEAT101M10
C 368	(A,20 ,181)	CKSRYB104K16
C 369	(A,21 ,181)	CKSRYB471K50
C 371	(B,141 ,172)	CKSRYB104K16
C 372	(B,143 ,172)	CKSRYB472K50
C 374	(A,25 ,171)	CKSRYB104K16
C 375	(A,25 ,169)	CKSRYB472K50
C 377	(A,24 ,101)	CKSRYB104K16
C 379	(A,139 ,141)	CKSRYB104K16
C 380	(B,142 ,194)	CKSRYB104K16
C 451	(A,125 ,71)	CEAT100M50
C 452	(A,125 ,82)	CEAT100M50
C 453	(A,112 ,74)	CEAT100M50
C 454	(A,112 ,80)	CEAT100M50
C 455	(A,108 ,75)	CKSRYB103K50
C 456	(A,108 ,78)	CKSRYB103K50
C 481	(A,115 ,77)	CKSRYB103K50
C 482	(A,123 ,76)	CKSRYB103K50
C 483	(A,104 ,69)	CEAT101M10
C 484	(A,99 ,72)	CKSRYB104K16
C 485	(A,92 ,69)	CEAT101M10
C 486	(A,96 ,72)	CKSRYB104K16
C 487	(A,105 ,84)	CEAT101M10
C 488	(A,104 ,77)	CKSRYB104K16
C 489	(A,91 ,80)	CKSRYB471K50
C 490	(A,91 ,78)	CKSRYB104K16
C 491	(A,90 ,83)	CEAT101M10
C 501	(A,127 ,39)	CKSRYB102K50
C 502	(A,111 ,39)	CKSRYB102K50
C 503	(B,123 ,36)	CCSRCH331J50
C 504	(B,115 ,36)	CCSRCH331J50
C 505	(A,125 ,35)	CCSRCH331J50
C 506	(A,114 ,35)	CCSRCH331J50
C 507	(A,127 ,30)	CEAT100M50
C 508	(A,111 ,30)	CEAT100M50
C 509	(B,121 ,26)	CKSRYB472K50
C 510	(B,117 ,26)	CKSRYB472K50
C 551	(A,119 ,31)	CKSRYB103K50
C 552	(A,120 ,39)	CKSRYB103K50
C 553	(A,118 ,64)	CEAT101M10
C 554	(A,112 ,51)	CKSRYB104K16
C 555	(A,119 ,59)	CKSRYB103K50
C 556	(A,127 ,44)	CEAT101M10
C 557	(A,125 ,48)	CKSRYB104K16
C 558	(A,125 ,50)	CKSRYB104K16
C 559	(A,112 ,49)	CKSRYB104K16
C 560	(A,111 ,44)	CEAT101M10
C 561	(B,111 ,47)	CKSRYB104K16
C 601	(A,106 ,39)	CKSRYB102K50
C 602	(A,90 ,39)	CKSRYB102K50
C 603	(B,102 ,36)	CCSRCH331J50
C 604	(B,94 ,36)	CCSRCH221J50
C 605	(A,104 ,35)	CCSRCH331J50
C 606	(A,93 ,35)	CCSRCH221J50
C 607	(A,106 ,30)	CEAT100M50
C 608	(A,90 ,30)	CEAT100M50
C 609	(B,100 ,26)	CKSRYB472K50
C 610	(B,96 ,26)	CKSRYB472K50
C 651	(A,98 ,31)	CKSRYB103K50
C 652	(A,99 ,39)	CKSRYB103K50

Mark	No.	Description	Part No.
	C 653	(A,97 ,64)	CEAT101M10
	C 654	(A,91 ,51)	CKSRYB104K16
	C 655	(A,98 ,59)	CKSRYB103K50
	C 656	(A,106 ,44)	CEAT101M10
	C 657	(A,104 ,48)	CKSRYB104K16
	C 658	(A,104 ,50)	CKSRYB104K16
	C 659	(A,91 ,49)	CKSRYB104K16
	C 660	(A,90 ,44)	CEAT101M10
	C 661	(B,90 ,47)	CKSRYB104K16
	C 701	(A,85 ,39)	CKSRYB102K50
	C 702	(A,69 ,39)	CKSRYB102K50
	C 703	(B,81 ,36)	CCSRCH331J50
	C 704	(B,73 ,36)	CCSRCH331J50
	C 705	(A,83 ,35)	CCSRCH331J50
	C 706	(A,72 ,35)	CCSRCH331J50
	C 707	(A,85 ,30)	CEAT100M50
	C 708	(A,69 ,30)	CEAT100M50
	C 709	(B,79 ,26)	CKSRYB472K50
	C 710	(B,75 ,26)	CKSRYB472K50
	C 751	(A,77 ,31)	CKSRYB103K50
	C 752	(A,78 ,39)	CKSRYB103K50
	C 753	(A,76 ,64)	CEAT101M10
	C 754	(A,70 ,51)	CKSRYB104K16
	C 755	(A,77 ,59)	CKSRYB103K50
	C 756	(A,85 ,44)	CEAT101M10
	C 757	(A,83 ,48)	CKSRYB104K16
	C 758	(A,83 ,50)	CKSRYB104K16
	C 759	(A,70 ,49)	CKSRYB104K16
	C 760	(A,69 ,44)	CEAT101M10
	C 761	(B,69 ,47)	CKSRYB104K16
	C 801	(A,64 ,39)	CKSRYB102K50
	C 802	(A,48 ,39)	CKSRYB102K50
	C 803	(B,60 ,36)	CCSRCH331J50
	C 804	(B,52 ,36)	CCSRCH331J50
	C 805	(A,62 ,35)	CCSRCH331J50
	C 806	(A,51 ,35)	CCSRCH331J50
	C 807	(A,64 ,30)	CEAT100M50
	C 808	(A,48 ,30)	CEAT100M50
	C 809	(B,58 ,26)	CKSRYB472K50
	C 810	(B,54 ,26)	CKSRYB472K50
	C 851	(A,56 ,31)	CKSRYB103K50
	C 852	(A,57 ,39)	CKSRYB103K50
	C 853	(A,55 ,64)	CEAT101M10
	C 854	(A,49 ,51)	CKSRYB104K16
	C 855	(A,56 ,59)	CKSRYB103K50
	C 856	(A,64 ,44)	CEAT101M10
	C 857	(A,62 ,48)	CKSRYB104K16
	C 858	(A,62 ,50)	CKSRYB104K16
	C 859	(A,49 ,49)	CKSRYB104K16
	C 860	(A,48 ,44)	CEAT101M10
	C 861	(B,48 ,47)	CKSRYB104K16
	C 979	(B,31 ,70)	CKSRYB472K50
	C 980	(B,95 ,77)	CKSRYB472K50
	C 981	(B,67 ,15)	CKSRYB104K16
	C 982	(B,65 ,15)	CKSRYB471K50
	C 985	(B,93 ,77)	CKSRYB104K16
	C 986	(B,91 ,77)	CKSRYB471K50
	C 987	(B,34 ,70)	CKSRYB104K16
	C 988	(B,32 ,70)	CKSRYB471K50
	C 991	(A,140 ,57)	CKSRYB104K16
	C 992	(A,134 ,64)	CEAT101M10
	C 993	(B,137 ,68)	CKSRYB473K25
	C 994	(B,137 ,72)	CKSRYB473K25

L DIGITAL MOTHER ASSY (VSX-AX4AV-S)

MISCELLANEOUS

	IC 101	(A,46 ,158) CPU	PEG116A
	IC 102	(A,46 ,180) FLASH ROM	AYW7084
		IC1 FLASH MEMORY (4M)	MBM29F400TC-70PFTN
	IC 103	(A,89 ,94) LOGIC IC	CD4094BPW
	IC 104	(A,20 ,147) RESET IC	BU4842F
	IC 105	(A,63 ,122) LOGIC IC	SN74AHCT32PW
	IC 106	(A,63 ,133) LOGIC IC	SN74AHCT08PW
	IC 107	(A,83 ,138) IC	TC74VHCT125AFTS1
	IC 108	(A,90 ,114) LOGIC IC	SN74LV244ATPW
	IC 181	(A,41 ,124) RDS DECODER IC	BU1924FS
	IC 201	(A,114 ,133) CPU	PEG117A
	IC 202	(A,114 ,154) FLASH ROM	AYW7080
		IC2 FLASH MEMORY(4M)	MBM29LV400TC-70PFTN
	IC 203	(A,133 ,107) LOGIC IC	CD4094BPW
	IC 204	(A,107 ,109) IC	TC74VHCT125AFTS1
	IC 205	(A,115 ,107) LOGIC IC	SN74AHC02PW
	IC 206	(A,84 ,127) LOGIC IC	SN74LV125APW
	IC 207	(A,92 ,127) LOGIC IC	SN74AHC08PW
	IC 208	(A,92 ,138) LOGIC IC	SN74LV244APW
	IC 210	(A,92 ,150) LOGIC IC	SN74AHC04PW
⚠	IC 221	(A,121 ,92) IC	NJM2391DL1-33
	IC 301	(A,105 ,200) DA I/F TRANSCEIVER	AK4114VQ
	IC 307	(A,79 ,168) LOGIC IC	SN74LV157APW
	IC 312	(A,67 ,190) LOGIC IC	SN74AHC08PW
	IC 313	(A,77 ,190) LOGIC IC	SN74AHC08PW
	IC 314	(A,86 ,190) LOGIC IC	SN74AHC08PW
	IC 315	(A,53 ,79) LOGIC IC	SN74LV157APW
	IC 316	(A,64 ,79) LOGIC IC	SN74LV157APW
⚠	IC 321	(A,139 ,183) IC	NJM2391DL1-33
	IC 481	(A,119 ,77) OP-AMP IC	BA4560RF
	IC 482	(A,98 ,76) A/D CONVERTER	PCM1803DB
	IC 551	(A,119 ,52) D/A CONVERTER IC	DSD1791DBR
	IC 552	(A,119 ,35) OP-AMP IC	BA4560RF
	IC 651	(A,98 ,52) D/A CONVERTER IC	DSD1791DBR
	IC 652	(A,98 ,35) OP-AMP IC	BA4560RF
	IC 751	(A,77 ,52) D/A CONVERTER IC	DSD1791DBR
	IC 752	(A,77 ,35) OP-AMP IC	BA4560RF
	IC 851	(A,56 ,52) D/A CONVERTER IC	DSD1791DBR
	IC 852	(A,56 ,35) OP-AMP IC	BA4560RF
⚠	IC 991	(A,136 ,54) IC	NJM2391DL1-33
	Q 101	(B,21 ,146) TRANSISTOR	DTC143TK
	Q 102	(B,24 ,134) DIGITAL TR(SC-70)	RT1P241M
	Q 103	(B,27 ,134) CHIP TR(DUAL)	RN2901
	Q 104	(B,14 ,135) CHIP TR (PNP X 2)	UMB1N
	Q 105	(A,23 ,17) CHIP TR (PNP X 2)	UMB1N
	Q 106	(A,139 ,87) TRANSISTOR	RT1N241M
	Q 107	(A,28 ,17) CHIP TR (PNP X 2)	UMB1N
	Q 108	(A,138 ,70) CHIP TR (PNP X 2)	UMB1N
	Q 181	(A,34 ,128) TRANSISTOR	2SA1036K
	Q 182	(A,34 ,117) DIGITAL TR(SC-70)	RT1N431M
	Q 201	(B,20 ,24) TRANSISTOR	2SA1036K
	Q 202	(B,21 ,36) TRANSISTOR	RT1N241M
	Q 481	(B,129 ,77) TRANSISTOR	IMX25

Mark No.	Description	Part No.
Q 482	(A,139 ,76) CHIP TRANSISTOR	RN4903
D 101	(B,31 ,133) DIODE	DAN202U
D 102	(A,107 ,8) DIODE	DAN202U
D 103	(A,112 ,8) DIODE	1SS355
D 104	(A,51 ,17) DIODE	DAP202U
D 105	(A,48 ,17) DIODE	DAN202U
D 106	(A,57 ,12) DIODE	UDZS5R1(B)
D 107	(B,19 ,137) DIODE	DAN202U
D 108	(A,110 ,8) DIODE	RB520S-30
D 109	(B,46 ,183) CHIP DIODE	RB501V-40
D 114	(A,92 ,103) DIODE	1SS355
D 115	(B,66 ,143) DIODE	1SS355
D 116	(A,140 ,83) CHIP DIODE	RB501V-40
D 201	(B,18 ,18) DIODE	DAN202U
D 202	(B,115 ,157) CHIP DIODE	RB501V-40
D 451	(B,108 ,74) DIODE	DAN217
D 452	(B,108 ,79) DIODE	DAN217
L 101	(A,17 ,124) CHIP SOLID INDUCTOR	ATL7002
L 102	(B,34 ,16) CHIP SOLID INDUCTOR	ATL7002
L 181	(A,36 ,124) CHIP SOLID INDUCTOR	QTL1013
L 201	(A,129 ,98) CHIP SOLID INDUCTOR	QTL1013
L 301	(A,85 ,215) CHIP SOLID INDUCTOR	QTL1013
L 303	(A,99 ,208) CHIP SOLID INDUCTOR	QTL1013
L 304	(A,93 ,207) CHIP SOLID INDUCTOR	QTL1013
L 306	(A,75 ,171) CHIP SOLID INDUCTOR	QTL1013
L 307	(A,80 ,82) CHIP SOLID INDUCTOR	QTL1013
L 308	(A,63 ,193) CHIP SOLID INDUCTOR	QTL1013
L 314	(A,72 ,193) CHIP SOLID INDUCTOR	QTL1013
L 316	(A,81 ,193) CHIP SOLID INDUCTOR	QTL1013
L 481	(A,108 ,86) CHIP SOLID INDUCTOR	QTL1013
L 482	(A,89 ,79) CHIP SOLID INDUCTOR	QTL1013
L 551	(A,114 ,61) CHIP SOLID INDUCTOR	QTL1013
L 552	(A,128 ,48) CHIP SOLID INDUCTOR	QTL1013
L 651	(A,94 ,61) CHIP SOLID INDUCTOR	QTL1013
L 652	(A,107 ,48) CHIP SOLID INDUCTOR	QTL1013
L 751	(A,72 ,61) CHIP SOLID INDUCTOR	QTL1013
L 752	(A,86 ,48) CHIP SOLID INDUCTOR	QTL1013
L 851	(A,51 ,61) CHIP SOLID INDUCTOR	QTL1013
L 852	(A,65 ,48) CHIP SOLID INDUCTOR	QTL1013
JA301	(A,119 ,232) PIN JACK(2P)	AKB7173
JA302	(A,98 ,232) OPT. LINK IN	AKS7001
JA303	(A,84 ,232) OPT. LINK IN	AKS7001
JA304	(A,70 ,232) OPT. LINK IN	AKS7001
JA305	(A,57 ,232) OPT. LINK IN	AKS7001
JA307	(A,15 ,232) OPT. LINK OUT	AKS7002
X 101	(A,46 ,146) CERAMIC RESONATOR (15.7MHz)	XSS3004
X 181	(A,44 ,114) CRYSTAL RESONATOR (4.332MHz)	ASS7004
X 201	(A,114 ,121) CERAMIC RESONATOR (15.7MHz)	XSS3004
X 301	(A,102 ,190) CRYSTAL RESONATOR (24.567MHz)	XSS3003
CN101	(A,70 ,7) 23P CONNECTOR	52045-2345
CN102	(A,142 ,19) 11P SOCKET	XKP3076
CN103	(A,52 ,11) 19P CONNECTOR	52045-1945
CN104	(A,146 ,84) B TO B CONNCTOR	BTEM16P-1R
CN105	(A,17 ,48) 23P SOCKET	XKP3082
CN201	(A,146 ,191) 4P SOCKET	KP200TA4L
CN301	(A,57 ,200) 26P PLUG	AKM7054
CN302	(A,39 ,98) 26P PLUG	AKM7054
CN304	(A,142 ,167) 23P SOCKET	XKP3083
CN991	(A,146 ,25) B TO B CONNCTOR	BTEM20P-1R
CN992	(A,146 ,55) B TO B CONNCTOR	BTEM20P-1R

RESISTORS

R 101	(A,45 ,17)	RS1/16S105J
R 102	(A,33 ,143)	RAB4C101J
R 103	(A,42 ,143)	RAB4C101J
R 104	(B,37 ,142)	RS1/16S104J
R 105	(A,35 ,143)	RS1/16S101J
R 106	(A,37 ,143)	RS1/16S101J
R 108	(B,41 ,147)	RS1/16S512J
R 111	(A,40 ,143)	RS1/16S101J
R 112	(B,45 ,153)	RS1/16S101J
R 113	(B,47 ,158)	RS1/16S473J
R 115	(A,54 ,143)	RAB4C101J
R 116	(A,58 ,143)	RAB4C101J
R 117	(B,54 ,150)	RS1/16S104J
R 119	(B,58 ,147)	RS1/16S222J
R 120	(A,61 ,143)	RS1/16S101J
R 121	(A,30 ,162)	RS1/16S101J
R 122	(B,36 ,153)	RS1/16S474J
R 123	(A,61 ,150)	RAB4C101J
R 124	(A,61 ,155)	RAB4C101J
R 126	(B,17 ,129)	RS1/16S473J
R 127	(B,51 ,155)	RS1/16S104J
R 128	(B,61 ,159)	RS1/16S473J
R 129	(A,61 ,158)	RS1/16S473J
R 131	(B,49 ,155)	RS1/16S104J
R 132	(A,61 ,162)	RAB4C101J
R 133	(A,61 ,166)	RAB4C101J
R 134	(B,61 ,163)	RS1/16S473J
R 135	(A,56 ,171)	RS1/16S101J
R 136	(B,19 ,132)	RS1/16S471J
R 137	(A,32 ,158)	RAB4C101J
R 138	(B,38 ,158)	RS1/16S474J
R 139	(B,36 ,158)	RS1/16S104J
R 140	(B,53 ,155)	RS1/16S474J
R 142	(B,38 ,153)	RS1/16S473J
R 143	(B,43 ,158)	RS1/16S473J
R 145	(A,31 ,148)	RS1/16S101J
R 146	(B,46 ,179)	RS1/16S104J
R 147	(B,36 ,178)	RS1/16S473J
R 149	(B,91 ,93)	RS1/16S473J
R 150	(B,89 ,93)	RS1/16S473J
R 151	(B,50 ,150)	RS1/16S104J
R 153	(B,31 ,129)	RS1/16S471J
R 154	(B,29 ,129)	RS1/16S473J
R 155	(B,21 ,132)	RS1/16S102J
R 156	(B,24 ,129)	RS1/16S473J
R 157	(B,16 ,145)	RS1/16S470J
R 161	(B,54 ,17)	RS1/16S105J
R 162	(B,56 ,12)	RS1/16S223J
R 164	(A,20 ,150)	RS1/16S104J
R 165	(B,33 ,163)	RS1/16S101J
R 166	(B,88 ,116)	RS1/16S104J
R 167	(B,94 ,110)	RS1/16S104J
R 168	(B,90 ,112)	RS1/16S104J
R 169	(B,85 ,129)	RS1/16S104J
R 170	(B,85 ,140)	RS1/16S104J

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	R 171 (A,80 ,133)		RS1/16S101J		R 246 (B,89 ,140)		RS1/16S104J
	R 172 (B,83 ,129)		RS1/16S104J		R 247 (B,87 ,140)		RS1/16S104J
A	R 174 (B,50 ,143)		RS1/16S101J		R 248 (B,96 ,139)		RS1/16S104J
	R 176 (A,83 ,144)		RS1/16S101J		R 249 (B,94 ,140)		RS1/16S104J
	R 177 (B,75 ,146)		RS1/16S0R0J		R 250 (B,104 ,147)		RS1/16S104J
	R 178 (A,87 ,145)		RS1/16S0R0J		R 251 (B,115 ,140)		RS1/16S104J
	R 179 (B,25 ,143)		RS1/16S103J		R 252 (B,106 ,143)		RS1/16S104J
	R 180 (B,27 ,153)		RS1/16S222J		R 253 (A,86 ,150)		RS1/16S104J
	R 181 (A,34 ,125)		RS1/16S473J		R 254 (B,78 ,129)		RS1/16S0R0J
	R 182 (A,33 ,123)		RS1/16S222J		R 256 (A,102 ,138)		RS1/16S101J
	R 183 (A,47 ,126)		RS1/16S102J		R 258 (A,111 ,121)		RS1/16S101J
	R 184 (B,46 ,129)		RS1/16S102J		R 259 (B,19 ,30)		RS1/16S222J
	R 185 (A,47 ,123)		RS1/16S102J		R 267 (B,41 ,225)		RS1/16S0R0J
B	R 186 (A,50 ,143)		RS1/16S101J		R 268 (B,44 ,225)		RS1/16S0R0J
	R 187 (A,51 ,143)		RS1/16S101J		R 269 (A,51 ,209)		RS1/16S0R0J
	R 188 (B,29 ,153)		RS1/16S103J		R 270 (A,50 ,206)		RS1/16S0R0J
	R 191 (B,106 ,129)		RS1/16S473J		R 271 (B,21 ,30)		RS1/16S473J
	R 192 (B,121 ,131)		RS1/16S473J		R 274 (A,124 ,114)		RS1/16S0R0J
	R 195 (B,123 ,131)		RS1/16S473J		R 275 (A,123 ,114)		RS1/16S0R0J
	R 197 (B,83 ,140)		RS1/16S182J		R 276 (B,129 ,216)		RS1/16S0R0J
	R 198 (A,86 ,153)		RS1/16S0R0J		R 300 (A,25 ,172)		RS1/16S0R0J
	R 199 (A,137 ,149)	RESISTOR ARRAY	RAB4C104J		R 301 (B,96 ,220)		RS1/16S101J
	R 201 (A,102 ,125)		RAB4C101J		R 302 (B,83 ,219)		RS1/16S101J
	R 202 (A,106 ,121)		RAB4C101J		R 303 (B,69 ,219)		RS1/16S101J
C	R 203 (B,108 ,129)		RS1/16S472J		R 304 (B,56 ,219)		RS1/16S101J
	R 204 (B,108 ,133)		RS1/16S473J		R 307 (B,127 ,223)		RS1/16S750J
	R 205 (A,109 ,121)		RS1/16S101J		R 308 (B,116 ,223)		RS1/16S750J
	R 206 (B,111 ,130)		RS1/16S101J		R 309 (B,125 ,219)		RS1/16S100J
	R 207 (B,113 ,130)		RS1/16S473J		R 310 (B,112 ,223)		RS1/16S100J
	R 208 (B,115 ,130)		RS1/16S473J		R 320 (A,96 ,201)		RS1/16S101J
	R 209 (A,119 ,118)		RAB4C101J		R 321 (A,114 ,198)		RS1/16S1802F
	R 210 (A,124 ,122)		RAB4C101J		R 322 (A,93 ,193)		RS1/16S470J
	R 211 (A,124 ,118)		RAB4C473J		R 323 (A,95 ,193)		RS1/16S101J
	R 214 (A,127 ,127)		RAB4C101J		R 324 (B,91 ,193)		RS1/16S101J
	R 215 (A,127 ,129)		RS1/16S101J		R 325 (B,93 ,193)		RS1/16S101J
D							
	R 216 (A,127 ,131)		RS1/16S101J		R 326 (B,95 ,193)		RS1/16S101J
	R 217 (A,121 ,114)		RS1/16S473J		R 327 (A,108 ,191)		RS1/16S221J
	R 218 (A,127 ,133)		RAB4C101J		R 328 (A,110 ,191)		RAB4C221J
	R 219 (B,90 ,116)		RS1/16S104J		R 329 (A,113 ,191)		RS1/16S101J
	R 220 (A,127 ,136)		RS1/16S101J		R 330 (A,114 ,194)		RS1/16S0R0J
	R 221 (B,117 ,133)		RS1/16S473J		R 332 (B,31 ,190)		RS1/16S0R0J
	R 222 (A,127 ,137)		RS1/16S473J		R 338 (A,86 ,159)		RS1/16S0R0J
	R 223 (B,118 ,138)		RS1/16S473J		R 342 (A,91 ,159)		RS1/16S0R0J
	R 224 (B,131 ,139)		RS1/16S101J		R 346 (A,91 ,178)		RS1/16S0R0J
	R 225 (A,127 ,140)		RS1/16S101J		R 350 (A,86 ,178)		RS1/16S0R0J
E							
	R 226 (B,133 ,139)		RS1/16S101J		R 351 (A,74 ,161)		RS1/16S101J
	R 227 (A,102 ,133)		RAB4C101J		R 352 (A,75 ,161)		RS1/16S101J
	R 229 (B,112 ,138)		RS1/16S473J		R 353 (A,77 ,161)		RS1/16S470J
	R 230 (B,104 ,129)		RS1/16S101J		R 356 (A,81 ,161)		RS1/16S470J
	R 231 (A,22 ,147)		RS1/16S104J		R 359 (A,82 ,175)		RS1/16S470J
	R 232 (B,115 ,153)		RS1/16S104J		R 360 (A,75 ,175)		RS1/16S101J
	R 234 (B,104 ,151)		RS1/16S473J		R 361 (A,76 ,175)		RS1/16S101J
	R 237 (A,134 ,99)		RS1/16S473J		R 362 (A,78 ,175)		RS1/16S470J
	R 238 (A,133 ,114)		RAB4C473J		R 366 (A,102 ,167)		RS1/16S0R0J
	R 239 (B,114 ,105)		RS1/16S104J		R 370 (A,107 ,167)		RS1/16S0R0J
	R 240 (B,116 ,105)		RS1/16S104J		R 374 (A,107 ,185)		RS1/16S0R0J
F	R 241 (A,109 ,115)		RS1/16S101J		R 378 (A,103 ,183)		RS1/16S0R0J
	R 242 (A,29 ,176)		RS1/16S104J		R 382 (A,121 ,166)		RS1/16S0R0J
	R 243 (A,29 ,177)		RS1/16S104J		R 386 (A,125 ,166)		RS1/16S0R0J
	R 244 (B,108 ,138)		RS1/16S473J		R 390 (A,124 ,185)		RS1/16S0R0J

Mark No.	Description	Part No.
R 416 (B,70 ,117)		RS1/16S0R0J
R 418 (B,74 ,117)		RS1/16S0R0J
R 426 (B,68 ,192)		RS1/16S101J
R 427 (B,66 ,192)		RS1/16S101J
R 428 (A,70 ,196)		RS1/16S220J
R 429 (A,66 ,196)		RS1/16S470J
R 430 (A,69 ,206)		RS1/16S473J
R 431 (A,137 ,161)	RESISTOR ARRAY	RAB4C104J
R 432 (A,137 ,157)	RESISTOR ARRAY	RAB4C104J
R 439 (A,69 ,184)		RS1/16S0R0J
R 440 (A,66 ,184)		RS1/16S101J
R 441 (A,70 ,184)		RS1/16S470J
R 442 (A,67 ,184)		RS1/16S470J
R 443 (A,75 ,184)		RS1/16S0R0J
R 444 (A,78 ,184)		RS1/16S0R0J
R 445 (B,78 ,195)		RS1/16S0R0J
R 446 (B,73 ,195)		RS1/16S0R0J
R 447 (A,76 ,184)		RS1/16S470J
R 448 (A,79 ,184)		RS1/16S470J
R 449 (B,74 ,188)		RS1/16S470J
R 450 (B,76 ,188)		RS1/16S470J
R 453 (A,130 ,73)		RS1/16S752J
R 454 (A,130 ,80)		RS1/16S752J
R 455 (A,130 ,75)		RS1/16S822J
R 456 (A,130 ,78)		RS1/16S822J
R 457 (B,128 ,71)		RS1/16S392J
R 458 (B,128 ,82)		RS1/16S392J
R 461 (A,137 ,76)		RS1/16S223J
R 462 (A,137 ,77)		RS1/16S223J
R 463 (B,122 ,72)		RS1/16S104J
R 464 (B,122 ,81)		RS1/16S104J
R 465 (A,108 ,73)		RS1/16S101J
R 466 (A,108 ,79)		RS1/16S101J
R 472 (B,95 ,114)		RS1/16S0R0J
R 473 (B,97 ,114)		RS1/16S0R0J
R 474 (B,139 ,118)		RS1/16S0R0J
R 475 (B,137 ,118)		RS1/16S0R0J
R 480 (A,144 ,172)		RS1/16S0R0J
R 481 (B,99 ,82)		RS1/16S101J
R 482 (B,96 ,82)		RS1/16S101J
R 483 (A,91 ,76)		RS1/16S101J
R 484 (A,99 ,82)		RS1/16S470J
R 485 (A,98 ,82)		RS1/16S101J
R 487 (A,137 ,74)		RS1/16S104J
R 491 (A,83 ,184)		RS1/16S101J
R 493 (B,87 ,193)		RS1/16S101J
R 494 (B,85 ,193)		RS1/16S470J
R 495 (A,85 ,184)		RS1/16S470J
R 496 (A,88 ,184)		RS1/16S470J
R 497 (B,89 ,193)		RS1/16S470J
R 499 (A,23 ,98)		RS1/16S0R0J
R 501 (A,127 ,40)		RS1/16S222J
R 502 (A,111 ,40)		RS1/16S222J
R 503 (A,124 ,40)		RS1/16S222J
R 504 (A,115 ,40)		RS1/16S222J
R 505 (B,127 ,36)		RS1/16S362J
R 506 (B,111 ,36)		RS1/16S362J
R 507 (B,125 ,36)		RS1/16S101J
R 508 (B,113 ,36)		RS1/16S101J
R 509 (A,127 ,34)		RS1/16S362J
R 510 (A,111 ,34)		RS1/16S362J
R 511 (A,127 ,36)		RS1/16S101J
R 512 (A,111 ,36)		RS1/16S101J
R 513 (A,127 ,37)		RS1/16S122J
R 514 (A,111 ,37)		RS1/16S122J
R 515 (A,125 ,38)		RS1/16S122J
R 516 (A,114 ,38)		RS1/16S122J
R 517 (B,121 ,31)		RS1/16S474J
R 518 (B,117 ,31)		RS1/16S474J
R 519 (B,123 ,26)		RS1/16S221J
R 520 (B,115 ,26)		RS1/16S221J
R 551 (A,112 ,54)		RS1/16S101J
R 552 (A,112 ,58)		RS1/16S101J
R 553 (A,112 ,56)		RS1/16S101J
R 554 (A,112 ,59)		RS1/16S0R0J
R 558 (A,127 ,59)		RS1/16S221J
R 559 (A,127 ,58)		RS1/16S221J
R 560 (A,127 ,56)		RS1/16S221J
R 561 (A,112 ,53)		RS1/16S221J
R 562 (B,120 ,55)		RS1/16S0R0J
R 563 (B,122 ,55)		RS1/16S0R0J
R 564 (B,116 ,55)		RS1/16S0R0J
R 601 (A,106 ,40)		RS1/16S222J
R 602 (A,90 ,40)		RS1/16S222J
R 603 (A,103 ,40)		RS1/16S222J
R 604 (A,94 ,40)		RS1/16S222J
R 605 (B,106 ,36)		RS1/16S302J
R 606 (B,90 ,36)		RS1/16S682J
R 607 (B,104 ,36)		RS1/16S101J
R 608 (B,92 ,36)		RS1/16S101J
R 609 (A,106 ,34)		RS1/16S302J
R 610 (A,90 ,34)		RS1/16S682J
R 611 (A,106 ,36)		RS1/16S101J
R 612 (A,90 ,36)		RS1/16S101J
R 613 (A,106 ,37)		RS1/16S152J
R 614 (A,90 ,37)		RS1/16S102J
R 615 (A,104 ,38)		RS1/16S152J
R 616 (A,93 ,38)		RS1/16S102J
R 617 (B,100 ,31)		RS1/16S474J
R 618 (B,96 ,31)		RS1/16S474J
R 619 (B,102 ,26)		RS1/16S221J
R 620 (B,94 ,26)		RS1/16S221J
R 651 (A,91 ,54)		RS1/16S101J
R 652 (A,91 ,58)		RS1/16S101J
R 653 (A,91 ,56)		RS1/16S101J
R 654 (A,91 ,59)		RS1/16S0R0J
R 658 (A,106 ,59)		RS1/16S221J
R 659 (A,106 ,58)		RS1/16S221J
R 660 (A,106 ,56)		RS1/16S221J
R 661 (A,91 ,53)		RS1/16S221J
R 662 (B,99 ,55)		RS1/16S0R0J
R 663 (B,101 ,55)		RS1/16S0R0J
R 664 (B,95 ,55)		RS1/16S0R0J
R 701 (A,85 ,40)		RS1/16S222J
R 702 (A,69 ,40)		RS1/16S222J
R 703 (A,82 ,40)		RS1/16S222J
R 704 (A,73 ,40)		RS1/16S222J
R 705 (B,85 ,36)		RS1/16S302J
R 706 (B,69 ,36)		RS1/16S302J
R 707 (B,83 ,36)		RS1/16S101J

Mark No.	Description	Part No.
R 708	(B,71 ,36)	RS1/16S101J
R 709	(A,85 ,34)	RS1/16S302J
R 710	(A,69 ,34)	RS1/16S302J
R 711	(A,85 ,36)	RS1/16S101J
R 712	(A,69 ,36)	RS1/16S101J
R 713	(A,85 ,37)	RS1/16S152J
R 714	(A,69 ,37)	RS1/16S152J
R 715	(A,83 ,38)	RS1/16S152J
R 716	(A,72 ,38)	RS1/16S152J
R 717	(B,79 ,31)	RS1/16S474J
R 718	(B,75 ,31)	RS1/16S474J
R 719	(B,81 ,26)	RS1/16S221J
R 720	(B,73 ,26)	RS1/16S221J
R 751	(A,70 ,54)	RS1/16S101J
R 752	(A,70 ,58)	RS1/16S101J
R 753	(A,70 ,56)	RS1/16S101J
R 754	(A,70 ,59)	RS1/16S0R0J
R 758	(A,85 ,59)	RS1/16S221J
R 759	(A,85 ,58)	RS1/16S221J
R 760	(A,85 ,56)	RS1/16S221J
R 761	(A,70 ,53)	RS1/16S221J
R 762	(B,78 ,55)	RS1/16S0R0J
R 763	(B,80 ,55)	RS1/16S0R0J
R 764	(B,74 ,55)	RS1/16S0R0J
R 801	(A,64 ,40)	RS1/16S222J
R 802	(A,48 ,40)	RS1/16S222J
R 803	(A,61 ,40)	RS1/16S222J
R 804	(A,52 ,40)	RS1/16S222J
R 805	(B,64 ,36)	RS1/16S302J
R 806	(B,48 ,36)	RS1/16S302J
R 807	(B,62 ,36)	RS1/16S101J
R 808	(B,50 ,36)	RS1/16S101J
R 809	(A,64 ,34)	RS1/16S302J
R 810	(A,48 ,34)	RS1/16S302J
R 811	(A,64 ,36)	RS1/16S101J
R 812	(A,48 ,36)	RS1/16S101J
R 813	(A,64 ,37)	RS1/16S152J
R 814	(A,48 ,37)	RS1/16S152J
R 815	(A,62 ,38)	RS1/16S152J
R 816	(A,51 ,38)	RS1/16S152J
R 817	(B,58 ,31)	RS1/16S474J
R 818	(B,54 ,31)	RS1/16S474J
R 819	(B,60 ,26)	RS1/16S221J
R 820	(B,52 ,26)	RS1/16S221J
R 851	(A,49 ,54)	RS1/16S101J
R 852	(A,49 ,58)	RS1/16S101J
R 853	(A,49 ,56)	RS1/16S101J
R 854	(A,49 ,59)	RS1/16S0R0J
R 858	(A,64 ,59)	RS1/16S221J
R 859	(A,64 ,58)	RS1/16S221J
R 860	(A,64 ,56)	RS1/16S221J
R 861	(A,49 ,53)	RS1/16S221J
R 864	(B,53 ,55)	RS1/16S0R0J
R 950	(A,43 ,55)	RS1/16S0R0J
R 972	(A,50 ,73)	RS1/16S0R0J
R 973	(A,52 ,73)	RS1/16S470J
R 975	(A,53 ,73)	RS1/16S101J
R 976	(A,55 ,73)	RS1/16S101J
R 977	(A,56 ,73)	RS1/16S470J
R 980	(A,54 ,85)	RS1/16S0R0J
R 981	(A,56 ,85)	RS1/16S470J
R 984	(A,61 ,73)	RS1/16S0R0J
R 985	(A,62 ,73)	RS1/16S470J
R 988	(A,65 ,73)	RS1/16S0R0J
R 989	(A,67 ,73)	RS1/16S470J
R 990		RS1/16S0R0J
R 992	(A,65 ,85)	RS1/16S0R0J
R 993	(A,67 ,85)	RS1/16S470J
R 994	(A,59 ,85)	RS1/16S0R0J
R 997		RS1/16S0R0J
R 998	(A,50 ,85)	RS1/16S101J
R 999	(A,51 ,85)	RS1/16S220J
R 9983		RS1/16S0R0J
R 9984		RS1/16S0R0J
R 9989		RS1/16S0R0J
R 9990		RS1/16S0R0J

CAPACITORS

C 101	(B,14 ,38)	CKSRYB103K50
C 102	(A,11 ,38) ELECTR.CAPACITOR	CEAT102M10
C 103	(A,18 ,126)	CKSRYB103K50
C 105	(A,33 ,148)	CKSRYB104K16
C 106	(A,34 ,148)	CKSRYB471K50
C 108	(A,46 ,141)	CKSRYB104K16
C 109	(A,46 ,143)	CKSRYB471K50
C 110	(A,59 ,148)	CKSRYB104K16
C 111	(A,57 ,148)	CKSRYB471K50
C 114	(A,45 ,170)	CKSRYB104K16
C 115	(A,45 ,169)	CKSRYB471K50
C 116	(A,33 ,181)	CKSRYB104K16
C 117	(A,34 ,181)	CKSRYB471K50
C 118	(A,86 ,94)	CKSRYB104K16
C 120	(B,26 ,129)	CKSRYB472K50
C 121	(B,21 ,129)	CKSRYB103K50
C 122	(A,16 ,141)	CEAT471M6R3
C 123	(B,52 ,17)	CKSRYB473K25
C 124	(B,46 ,17)	CKSRYB473K25
C 125	(A,62 ,13)	CEAT100M50
C 126	(A,18 ,147)	CKSRYB105K10
C 127	(B,19 ,129)	CKSRYB472K50
C 128	(A,85 ,114)	CKSRYB104K16
C 130	(A,59 ,133)	CKSRYB104K16
C 131	(A,79 ,138)	CKSRYB104K16
C 132	(A,59 ,122)	CKSRYB104K16
C 133	(A,93 ,17)	CKSRYB104K16
C 135	(B,48 ,150)	CKSRYB472K50
C 181	(A,47 ,134)	CEJQ2R2M50
C 183	(A,38 ,129)	CKSRYB561K50
C 184	(A,38 ,134)	CEJQ101M10
C 185	(A,40 ,119)	CKSRYB102K50
C 186	(B,40 ,118)	CCSRCH270J50
C 187	(B,43 ,118)	CCSRCH270J50
C 190	(B,44 ,129)	CKSRYB472K50
C 202	(A,114 ,116)	CKSRYB104K16
C 203	(A,114 ,118)	CKSRYB471K50
C 204	(A,115 ,145)	CKSRYB104K16
C 205	(A,115 ,143)	CKSRYB471K50
C 206	(A,101 ,129)	CKSRYB104K16
C 207	(A,103 ,129)	CKSRYB471K50

Mark No.	Description	Part No.
C 208	(A,15 ,17) ELECTR.CAPACITOR	CEAT102M10
C 209	(A,101 ,155)	CKSRYB104K16
C 210	(A,102 ,155)	CKSRYB471K50
C 211	(A,129 ,108)	CKSRYB104K16
C 212	(A,103 ,109)	CKSRYB104K16
C 213	(A,111 ,108)	CKSRYB104K16
C 215	(A,80 ,127)	CKSRYB104K16
C 216	(A,88 ,127)	CKSRYB104K16
C 217	(A,87 ,138)	CKSRYB104K16
C 219	(A,88 ,150)	CKSRYB104K16
C 221	(A,129 ,89)	CKSRYB104K16
C 222	(A,131 ,93)	CEAT331M10
C 301	(A,79 ,214)	CEJQ101M10
C 302	(B,99 ,220)	CKSRYB104K16
C 303	(B,86 ,219)	CKSRYB104K16
C 304	(B,72 ,219)	CKSRYB104K16
C 305	(B,59 ,219)	CKSRYB104K16
C 307	(B,15 ,219)	CKSRYB104K16
C 308	(B,127 ,219)	CKSRYB103K50
C 309	(B,114 ,223)	CKSRYB103K50
C 319	(A,119 ,195)	CEJQ101M6R3
C 320	(A,114 ,195)	CKSRYB104K16
C 321	(A,114 ,197)	CKSRYB471K50
C 322	(A,96 ,216)	CEJQ101M10
C 323	(A,98 ,205)	CKSRYB104K16
C 324	(A,98 ,204)	CKSRYB471K50
C 325	(A,88 ,210)	CEJQ101M6R3
C 326	(A,97 ,197)	CKSRYB104K16
C 327	(A,99 ,197)	CKSRYB471K50
C 328	(A,100 ,193)	CCSRCH120J50
C 329	(A,103 ,193)	CCSRCH120J50
C 330	(A,114 ,200)	CKSRYB474K10
C 332	(A,19 ,205)	CEAT101M10
C 340	(A,74 ,168)	CKSRYB104K16
C 341	(A,75 ,168)	CKSRYB471K50
C 346	(A,84 ,79)	CEAT331M10
C 352	(A,61 ,190)	CKSRYB104K16
C 353	(A,63 ,190)	CKSRYB471K50
C 354	(A,66 ,94)	CKSRYB104K16
C 357	(A,144 ,187)	CKSRYB104K16
C 358	(A,136 ,193)	CEAT331M10
C 359	(A,71 ,190)	CKSRYB104K16
C 360	(A,73 ,190)	CKSRYB471K50
C 361	(A,80 ,190)	CKSRYB104K16
C 362	(A,82 ,190)	CKSRYB471K50
C 363	(A,47 ,79)	CKSRYB104K16
C 364	(A,49 ,79)	CKSRYB471K50
C 365	(A,59 ,79)	CKSRYB104K16
C 366	(A,60 ,79)	CKSRYB471K50
C 371	(B,141 ,172)	CKSRYB104K16
C 372	(B,143 ,172)	CKSRYB472K50
C 379	(A,139 ,141)	CKSRYB104K16
C 380	(B,142 ,194)	CKSRYB104K16
C 451	(A,125 ,71)	CEAT100M50
C 452	(A,125 ,82)	CEAT100M50
C 453	(A,112 ,74)	CEAT100M50
C 454	(A,112 ,80)	CEAT100M50
C 455	(A,108 ,75)	CKSRYB103K50
C 456	(A,108 ,78)	CKSRYB103K50
C 481	(A,115 ,77)	CKSRYB103K50
C 482	(A,123 ,76)	CKSRYB103K50
C 483	(A,104 ,69)	CEAT101M10
C 484	(A,99 ,72)	CKSRYB104K16
C 485	(A,92 ,69)	CEAT101M10
C 486	(A,96 ,72)	CKSRYB104K16
C 487	(A,105 ,84)	CEAT101M10
C 488	(A,104 ,77)	CKSRYB104K16
C 489	(A,91 ,80)	CKSRYB471K50
C 490	(A,91 ,78)	CKSRYB104K16
C 491	(A,90 ,83)	CEAT101M10
C 501	(A,127 ,39)	CKSRYB102K50
C 502	(A,111 ,39)	CKSRYB102K50
C 503	(B,123 ,36)	CCSRCH331J50
C 504	(B,115 ,36)	CCSRCH331J50
C 505	(A,125 ,35)	CCSRCH331J50
C 506	(A,114 ,35)	CCSRCH331J50
C 507	(A,127 ,30)	CEAT100M50
C 508	(A,111 ,30)	CEAT100M50
C 509	(B,121 ,26)	CKSRYB472K50
C 510	(B,117 ,26)	CKSRYB472K50
C 551	(A,119 ,31)	CKSRYB103K50
C 552	(A,120 ,39)	CKSRYB103K50
C 553	(A,118 ,64)	CEAT101M10
C 554	(A,112 ,51)	CKSRYB104K16
C 555	(A,119 ,59)	CKSRYB103K50
C 556	(A,127 ,44)	CEAT101M10
C 557	(A,125 ,48)	CKSRYB104K16
C 558	(A,125 ,50)	CKSRYB104K16
C 559	(A,112 ,49)	CKSRYB104K16
C 560	(A,111 ,44)	CEAT101M10
C 561	(B,111 ,47)	CKSRYB104K16
C 601	(A,106 ,39)	CKSRYB102K50
C 602	(A,90 ,39)	CKSRYB102K50
C 603	(B,102 ,36)	CCSRCH331J50
C 604	(B,94 ,36)	CCSRCH221J50
C 605	(A,104 ,35)	CCSRCH331J50
C 606	(A,93 ,35)	CCSRCH221J50
C 607	(A,106 ,30)	CEAT100M50
C 608	(A,90 ,30)	CEAT100M50
C 609	(B,100 ,26)	CKSRYB472K50
C 610	(B,96 ,26)	CKSRYB472K50
C 651	(A,98 ,31)	CKSRYB103K50
C 652	(A,99 ,39)	CKSRYB103K50
C 653	(A,97 ,64)	CEAT101M10
C 654	(A,91 ,51)	CKSRYB104K16
C 655	(A,98 ,59)	CKSRYB103K50
C 656	(A,106 ,44)	CEAT101M10
C 657	(A,104 ,48)	CKSRYB104K16
C 658	(A,104 ,50)	CKSRYB104K16
C 659	(A,91 ,49)	CKSRYB104K16
C 660	(A,90 ,44)	CEAT101M10
C 661	(B,90 ,47)	CKSRYB104K16
C 701	(A,85 ,39)	CKSRYB102K50
C 702	(A,69 ,39)	CKSRYB102K50
C 703	(B,81 ,36)	CCSRCH331J50
C 704	(B,73 ,36)	CCSRCH331J50
C 705	(A,83 ,35)	CCSRCH331J50
C 706	(A,72 ,35)	CCSRCH331J50
C 707	(A,85 ,30)	CEAT100M50
C 708	(A,69 ,30)	CEAT100M50

Mark	No.		Description	Part No.
	C	709 (B,79 ,26)		CKSRYB472K50
	C	710 (B,75 ,26)		CKSRYB472K50
	C	751 (A,77 ,31)		CKSRYB103K50
A	C	752 (A,78 ,39)		CKSRYB103K50
	C	753 (A,76 ,64)		CEAT101M10
	C	754 (A,70 ,51)		CKSRYB104K16
	C	755 (A,77 ,59)		CKSRYB103K50
	C	756 (A,85 ,44)		CEAT101M10
	C	757 (A,83 ,48)		CKSRYB104K16
	C	758 (A,83 ,50)		CKSRYB104K16
	C	759 (A,70 ,49)		CKSRYB104K16
	C	760 (A,69 ,44)		CEAT101M10
	C	761 (B,69 ,47)		CKSRYB104K16
	C	801 (A,64 ,39)		CKSRYB102K50
B				
	C	802 (A,48 ,39)		CKSRYB102K50
	C	803 (B,60 ,36)		CCSRCH331J50
	C	804 (B,52 ,36)		CCSRCH331J50
	C	805 (A,62 ,35)		CCSRCH331J50
	C	806 (A,51 ,35)		CCSRCH331J50
	C	807 (A,64 ,30)		CEAT100M50
	C	808 (A,48 ,30)		CEAT100M50
	C	809 (B,58 ,26)		CKSRYB472K50
	C	810 (B,54 ,26)		CKSRYB472K50
	C	851 (A,56 ,31)		CKSRYB103K50
C	C	852 (A,57 ,39)		CKSRYB103K50
	C	853 (A,55 ,64)		CEAT101M10
	C	854 (A,49 ,51)		CKSRYB104K16
	C	855 (A,56 ,59)		CKSRYB103K50
	C	856 (A,64 ,44)		CEAT101M10
	C	857 (A,62 ,48)		CKSRYB104K16
	C	858 (A,62 ,50)		CKSRYB104K16
	C	859 (A,49 ,49)		CKSRYB104K16
	C	860 (A,48 ,44)		CEAT101M10
	C	861 (B,48 ,47)		CKSRYB104K16
	C	979 (B,31 ,70)		CKSRYB472K50
D	C	980 (B,95 ,77)		CKSRYB472K50
	C	981 (B,67 ,15)		CKSRYB104K16
	C	982 (B,65 ,15)		CKSRYB471K50
	C	985 (B,93 ,77)		CKSRYB104K16
	C	986 (B,91 ,77)		CKSRYB471K50
	C	987 (B,34 ,70)		CKSRYB104K16
	C	988 (B,32 ,70)		CKSRYB471K50
	C	991 (A,140 ,57)		CKSRYB104K16
	C	992 (A,134 ,64)		CEAT101M10
	C	993 (B,137 ,68)		CKSRYB473K25
E	C	994 (B,137 ,72)		CKSRYB473K25

M DSP ASSY

MISCELLANEOUS

IC	101	(A,35 ,60) DSP IC	ADSP-21266SKSTZ-2D
IC	102	(B,32 ,38) LOGIC IC (LATCHES)	TC74VHC573FTS1
IC	103	(B,45 ,38) LOGIC IC (LATCHES)	TC74VHC573FTS1
IC	104	(A,42 ,22) 2 TO 4 LINE DECODER	TC7W139FU
IC	105	(B,42 ,17) FLASH ROM	AYW7081
	IC1	FLASH MEMORY IC	S29AL016D70TFI010
IC	106	(A,25 ,17) SRAM(4M)	CY7C1049C3312VXC
IC	107	(B,16 ,60) LOGIC IC	SN74AHC08PW
IC	109	(A,40 ,15) LOGIC IC	SN74AHC1G32DCK
IC	201	(B,62 ,57) DSP IC	DSPC56371AF180
IC	301	(A,70 ,41) LOGIC IC	TC7WHU04FU
⚠IC	351	(B,17 ,34) IC	NJM2391DL1-33
⚠IC	352	(B,31 ,89) REGULATOR IC	BA00HC5FP
⚠IC	354	(A,51 ,11) IC	NJM2391DL1-33
⚠IC	355	(A,63 ,11) REGULATOR IC	LM1117DT-ADJ
Q	201	(A,53 ,62) TRANSISTOR	RT1N241M
Q	301	(A,65 ,33) TRANSISTOR	UN5212
L	101	(A,27 ,82) CHIP SOLID INDUCTOR	ATL7002
L	102	(B,15 ,76) CHIP SOLID INDUCTOR	QTL1013
L	103	(B,27 ,31) CHIP SOLID INDUCTOR	QTL1013
L	104	(B,38 ,32) CHIP SOLID INDUCTOR	QTL1013
L	105	(A,37 ,19) CHIP SOLID INDUCTOR	QTL1013
L	106	(A,37 ,18) CHIP SOLID INDUCTOR	QTL1013
L	107	(B,11 ,71) CHIP SOLID INDUCTOR	QTL1013
L	108	(A,12 ,13) CHIP SOLID INDUCTOR	QTL1013
L	201	(B,60 ,27) CHIP SOLID INDUCTOR	QTL1013
L	202	(A,51 ,37) CHIP SOLID INDUCTOR	QTL1013
L	203	(A,55 ,51) CHIP SOLID INDUCTOR	QTL1013
L	301	(A,77 ,39) CHIP SOLID INDUCTOR	QTL1013
X	301	(A,72 ,33) CRYSTAL RESONATOR (20MHz)	VSS1171
CN	351	(A,11 ,51) 26P SOCKET	AKP7198
CN	352	(A,112 ,69) 26P SOCKET	AKP7198

RESISTORS

R	101	(A,23 ,47)	RAB4C472J
R	102	(B,29 ,48)	RS1/16S101J
R	103	(B,34 ,48)	RAB4C470J
R	104	(B,38 ,48)	RAB4C470J
R	105	(A,45 ,46)	RS1/16S220J
R	106	(B,48 ,51)	RS1/16S100J
R	107	(B,49 ,46)	RS1/16S470J
R	108	(B,42 ,47)	RAB4C470J
R	109	(B,46 ,47)	RAB4C470J
R	111	(B,50 ,70)	RAB4C220J
R	113	(B,42 ,77)	RAB4C101J
R	116	(B,38 ,77)	RS1/16S220J
R	117	(B,36 ,77)	RS1/16S220J
R	118	(B,32 ,76)	RS1/16S101J
R	119	(B,32 ,78)	RS1/16S101J
R	120	(B,28 ,73)	RS1/16S101J
R	122	(B,26 ,65)	RS1/16S101J
R	123	(B,24 ,63)	RS1/16S101J
R	124	(B,24 ,61)	RS1/16S101J
R	125	(B,24 ,54)	RS1/16S101J
R	126	(B,25 ,57)	RS1/16S101J
R	127	(B,29 ,58)	RS1/16S100J
R	130	(A,12 ,29)	RAB4C472J
R	131	(B,31 ,56)	RS1/16S101J
R	132	(B,30 ,32)	RAB4C470J
R	133	(B,34 ,32)	RAB4C470J
R	134	(B,47 ,32)	RAB4C470J
R	135	(B,44 ,32)	RS1/16S470J
R	136	(A,37 ,20)	RS1/16S470J
R	137	(A,37 ,22)	RS1/16S470J
R	139	(A,45 ,16)	RS1/16S473J
R	140	(A,48 ,25)	RS1/16S473J
R	141	(B,13 ,53)	RS1/16S101J
R	142	(B,13 ,55)	RS1/16S101J
R	144	(B,21 ,58)	RS1/16S220J

Mark No.	Description	Part No.
R 145	(B,21 ,61)	RS1/16S220J
R 147	(B,11 ,65)	RS1/16S101J
R 148	(B,11 ,62)	RS1/16S101J
R 149	(B,19 ,66)	RS1/16S220J
R 150	(B,15 ,66)	RS1/16S220J
R 151	(A,45 ,15)	RS1/16S470J
R 158	(A,45 ,13)	RS1/16S472J
R 159	(B,34 ,58)	RS1/16S472J
R 160	(B,33 ,71)	RS1/16S472J
R 161	(B,30 ,71)	RS1/16S472J
R 202	(A,66 ,74)	RAB4C103J
R 203	(A,70 ,57)	RS1/16S473J
R 206	(B,56 ,38)	RS1/16S473J
R 207	(A,66 ,58)	RS1/16S101J
R 208	(A,62 ,58)	RAB4C101J
R 210	(A,60 ,54)	RS1/16S103J
R 211	(A,58 ,51)	RS1/16S101J
R 213	(B,47 ,60)	RS1/16S101J
R 215	(A,53 ,55)	RS1/16S472J
R 224	(B,56 ,71)	RAB4C101J
R 229	(A,63 ,65)	RS1/16S101J
R 230	(B,68 ,69)	RS1/16S101J
R 231	(B,69 ,69)	RS1/16S220J
R 232	(B,70 ,69)	RS1/16S101J
R 233	(B,71 ,69)	RS1/16S220J
R 235	(A,62 ,74)	RAB4C220J
R 236	(B,58 ,74)	RS1/16S0R0J
R 237	(B,54 ,75)	RS1/16S0R0J
R 238	(B,70 ,73)	RS1/16S0R0J
R 239	(B,73 ,72)	RS1/16S0R0J
R 240	(A,70 ,54)	RS1/16S101J
R 301	(A,69 ,37)	RS1/16S105J
R 302	(A,73 ,37)	RS1/16S152J
R 303	(A,71 ,45)	RS1/16S220J
R 304	(A,65 ,41)	RS1/16S220J
R 305	(A,66 ,39)	RS1/16S220J
R 351	(B,37 ,84)	RS1/16S1001F
R 352	(B,37 ,87)	RS1/16S2001F
R 353	(A,68 ,16)	RS1/16S102J
R 354	(B,13 ,83)	RS1/16S0R0J
R 355	(B,13 ,79)	RS1/16S0R0J
R 356	(A,30 ,33)	RS1/16S0R0J
R 357	(A,30 ,36)	RS1/16S0R0J

CAPACITORS

C 101	(A,24 ,44)	CCSRCH471J50
C 102	(A,24 ,43)	CKSRYB104K16
C 103	(A,30 ,46)	CCSRCH471J50
C 104	(A,30 ,44)	CKSRYB104K16
C 105	(A,32 ,42)	CCSRCH471J50
C 106	(A,32 ,41)	CKSRYB104K16
C 107	(A,34 ,46)	CCSRCH471J50
C 108	(A,34 ,44)	CKSRYB104K16
C 109	(A,37 ,46)	CCSRCH471J50
C 110	(A,37 ,44)	CKSRYB104K16
C 111	(A,40 ,46)	CCSRCH471J50
C 112	(A,40 ,44)	CKSRYB104K16
C 113	(A,49 ,50)	CCSRCH471J50
C 114	(A,50 ,50)	CKSRYB104K16
C 115	(A,49 ,56)	CCSRCH471J50
C 116	(A,51 ,56)	CKSRYB104K16
C 117	(A,49 ,59)	CCSRCH471J50
C 118	(A,51 ,59)	CKSRYB104K16
C 119	(A,49 ,65)	CCSRCH471J50
C 120	(A,51 ,65)	CKSRYB104K16
C 121	(A,49 ,68)	CCSRCH471J50
C 122	(A,51 ,68)	CKSRYB104K16
C 123	(A,49 ,70)	CCSRCH471J50
C 124	(A,51 ,70)	CKSRYB104K16
C 125	(A,44 ,76)	CCSRCH471J50
C 126	(A,44 ,77)	CKSRYB104K16
C 127	(A,41 ,76)	CCSRCH471J50
C 128	(A,41 ,77)	CKSRYB104K16
C 129	(A,38 ,76)	CCSRCH471J50
C 130	(A,38 ,77)	CKSRYB104K16
C 131	(A,32 ,76)	CCSRCH471J50
C 132	(A,32 ,77)	CKSRYB104K16
C 133	(A,29 ,76)	CCSRCH471J50
C 134	(A,29 ,77)	CKSRYB104K16
C 135	(A,26 ,76)	CCSRCH471J50
C 136	(A,26 ,77)	CKSRYB104K16
C 137	(A,20 ,71)	CCSRCH471J50
C 138	(A,19 ,71)	CKSRYB104K16
C 139	(A,20 ,69)	CCSRCH471J50
C 140	(A,19 ,69)	CKSRYB104K16
C 141	(A,20 ,63)	CCSRCH471J50
C 142	(A,19 ,63)	CKSRYB104K16
C 143	(A,20 ,60)	CCSRCH471J50
C 144	(A,19 ,60)	CKSRYB104K16
C 145	(A,20 ,57)	CCSRCH471J50
C 146	(A,19 ,57)	CKSRYB104K16
C 147	(A,27 ,46)	CCSRCH471J50
C 148	(A,27 ,44)	CKSRYB104K16
C 149	(A,35 ,42)	CCSRCH471J50
C 150	(A,35 ,41)	CKSRYB104K16
C 151	(A,43 ,46)	CCSRCH471J50
C 152	(A,43 ,44)	CKSRYB104K16
C 153	(A,49 ,54)	CCSRCH471J50
C 154	(A,51 ,54)	CKSRYB104K16
C 155	(A,49 ,62)	CCSRCH471J50
C 156	(A,51 ,62)	CKSRYB104K16
C 157	(A,47 ,76)	CCSRCH471J50
C 158	(A,47 ,77)	CKSRYB104K16
C 159	(A,35 ,76)	CCSRCH471J50
C 160	(A,35 ,77)	CKSRYB104K16
C 161	(A,20 ,66)	CCSRCH471J50
C 162	(A,19 ,66)	CKSRYB104K16
C 163	(A,19 ,54)	CCSRCH471J50
C 164	(A,18 ,54)	CKSRYB104K16
C 165	(A,20 ,51)	CCSRCH471J50
C 166	(A,19 ,51)	CKSRYB104K16
C 167	(A,22 ,54)	CCSRCH471J50
C 168	(A,21 ,54)	CKSRYB104K16
C 169	(B,30 ,63)	CKSRYB103K50
C 171	(B,27 ,37)	CCSRCH471J50
C 172	(B,26 ,37)	CKSRYB104K16
C 173	(B,40 ,36)	CCSRCH471J50
C 174	(B,39 ,36)	CKSRYB104K16
C 175	(A,42 ,20)	CCSRCH471J50
C 176	(A,42 ,18)	CKSRYB104K16

Mark	No.		Description	Part No.
	C	178 (B,41 ,30)		CCSRCH471J50
	C	179 (B,41 ,31)		CKSRYB104K16
A	C	181 (A,18 ,18)		CCSRCH471J50
	C	182 (A,17 ,18)		CKSRYB104K16
	C	183 (A,32 ,17)		CCSRCH471J50
	C	184 (A,34 ,17)		CKSRYB104K16
	C	185 (B,12 ,59)		CCSRCH471J50
	C	186 (B,11 ,59)		CKSRYB104K16
	C	189 (A,38 ,15)		CCSRCH471J50
	C	190 (A,36 ,15)		CKSRYB104K16
	C	201 (B,72 ,57)		CCSRCH471J50
	C	202 (B,74 ,57)		CKSRYB104K16
	C	203 (B,63 ,47)		CCSRCH471J50
B	C	204 (B,63 ,46)		CKSRYB104K16
	C	205 (B,52 ,52)		CCSRCH471J50
	C	206 (B,51 ,52)		CKSRYB104K16
	C	207 (B,51 ,58)		CCSRCH471J50
	C	208 (B,50 ,58)		CKSRYB104K16
	C	209 (B,62 ,68)		CCSRCH471J50
	C	210 (B,62 ,69)		CKSRYB104K16
	C	211 (B,72 ,62)		CCSRCH471J50
	C	212 (B,74 ,62)		CKSRYB104K16
	C	213 (B,72 ,52)		CCSRCH471J50
	C	214 (B,74 ,52)		CKSRYB104K16
C	C	215 (B,67 ,47)		CCSRCH471J50
	C	216 (B,67 ,46)		CKSRYB104K16
	C	217 (B,52 ,50)		CCSRCH471J50
	C	218 (B,51 ,50)		CKSRYB104K16
	C	219 (B,59 ,68)		CCSRCH471J50
	C	220 (B,59 ,69)		CKSRYB104K16
	C	221 (B,65 ,68)		CCSRCH471J50
	C	222 (B,65 ,69)		CKSRYB104K16
	C	223 (B,56 ,47)		CCSRCH471J50
	C	224 (B,56 ,46)		CKSRYB104K16
	C	228 (B,50 ,56)		CKSRYB103K50
D				
	C	302 (A,73 ,41)		CCSRCH471J50
	C	303 (A,74 ,41)		CKSRYB104K16
	C	304 (A,69 ,36)		CCSRCH100D50
	C	305 (A,73 ,36)		CCSRCH100D50
	C	351 (A,115 ,46)		CEVW101M16
	C	353 (B,6 ,32)		CKSRYB104K16
	C	354 (B,14 ,43)		CEVW101M16
	C	357 (A,29 ,88)	CHIP OS CAPACITOR	ACH7256
	C	360 (A,56 ,16)		CKSRYB104K16
	C	361 (A,53 ,21)		CEVW101M16
E				
	C	364 (A,65 ,21)	CHIP ELECT.CAPACITOR	CEVW101M4

N INTERFACE ASSY

MISCELLANEOUS

Mark	No.		Description	Part No.
⚠	IC	4301(A,239 ,227)	PROTECTOR(1.6A)	AEK7066
	Q	4301(B,229 ,221)	CHIP TRANSISTOR	RSR015P03
	Q	4303(B,215 ,223)	TRANSISTOR	RT1N241C
	D	4302(A,14 ,206)	DIODE	MTZJ6R2(B)
	L	4311(B,56 ,163)	CHIP BEADS	VTL1083
F	L	4312(B,134 ,222)	CHIP BEADS	VTL1083
	L	4313(B,132 ,222)	CHIP BEADS	VTL1083
	L	4314(B,130 ,222)	CHIP BEADS	VTL1083
	L	4315(B,128 ,222)	CHIP BEADS	VTL1083
	L	4316(B,126 ,222)	CHIP BEADS	VTL1083
	L	4317(B,124 ,222)	CHIP BEADS	VTL1083
	L	4318(B,122 ,222)	CHIP BEADS	VTL1083
	L	4320(B,79 ,233)	CHIP BEADS	VTL1083
	L	4321(B,79 ,228)	CHIP BEADS	VTL1083
	L	4322(B,79 ,231)	CHIP BEADS	VTL1083
	L	4323(B,279 ,236)	CHIP BEADS	VTL1083
	L	4324(B,321 ,226)	CHIP BEADS	VTL1083
	J	4	4PJUMPER WIRE	D20PDD0420E
	J	4308(A,260 ,197)	CONNECTOR ASS'Y	PF11PG-R05
	J	4309(A,232 ,197)	CONNECTOR ASS'Y	PF08PG-R05
	KN	4301(A,151 ,218)	WRAPPING TERMINAL	VNF1084
	CN	4301(A,285 ,231)	CONNECTOR	52045-1545
	CN	4302(A,194 ,232)	11P PLUG	XKP3065
	CN	4303(A,188 ,232)	B TO B CONNCTOR	BTEM20S-1S
	CN	4304(A,158 ,232)	B TO B CONNCTOR	BTEM20S-1S
	CN	4305(A,129 ,232)	B TO B CONNCTOR	BTEM16S-1S
	CN	4306(A,46 ,232)	23P PLUG	XKP3071
	CN	4307(A,22 ,230)	4P PLUG	KM200TA4
	CN	431024P	SOCKET	AKP7203
	CN	4311(A,42 ,207)	24P SOCKET	AKP7203
	CN	4312(A,192 ,184)	11P PLUG	XKP3065
	CN	4313(A,110 ,183)	B TO B CONNCTOR	BTEM20S-1S
	CN	4314(A,51 ,184)	13P PLUG	XKP3066
	CN	4315(A,15 ,185)	7P PLUG	KM200TA7
	CN	4316(A,33 ,152)	17P PLUG	XKP3068
	CN	4317(A,30 ,128)	15P PLUG	XKP3067
	CN	4318(A,18 ,106)	6P PLUG	KM200TA6
	CN	4319(A,25 ,73)	13P PLUG	XKP3066
	CN	4320(A,37 ,43)	23P PLUG	XKP3071
	CN	4324(A,72 ,185)	7P PLUG	KM200TA7
	CN	4325(A,157 ,183)	B TO B CONNCTOR	BTEM14S-1S
	Y	17	AWG14 BOARD IN	ADX7493
	Y	18	(A,9 ,202) 3P HOUSING WIRE ASSY	ADX7494
		4301(A,198 ,198)	4P CABLE HOLDER	51048-0400
		4302(A,31 ,197)	4P CABLE HOLDER	51048-0400
		4303(A,107 ,175)	PCB BINDER	VEF1040
		4304(A,203 ,184)	PCB BINDER	VEF1040
		4305(A,224 ,200)	PCB BINDER	VEF1040

RESISTORS

Mark	No.		Description	Part No.
	R	4302(B,235 ,225)		RS1/16S103J
	R	4303(B,224 ,224)		RS1/16S101J
	R	4305(B,246 ,219)		RS1/16S103J
	R	4319(B,120 ,222)		RS1/16S102J
	R	4327(B,150 ,208)		RS1/16S0R0J
	R	4328(B,150 ,206)		RS1/16S0R0J

CAPACITORS

Mark	No.		Description	Part No.
	C	4301(A,300 ,185)		CEAT470M25
	C	4302(A,300 ,191)		CEAT470M25
	C	4303(A,136 ,199)	ELECTR. CAPACITOR	CEAL470M25
	C	4304(A,146 ,201)	ELECTR. CAPACITOR	CEAL470M25
	C	4305(B,241 ,219)		CKSRYB104K25
	C	4307(B,146 ,214)		CKSRYB103K50
	C	4308(B,146 ,216)		CKSRYB471K50
	C	4313(B,267 ,186)		CKSRYB102K50
	C	4314(B,252 ,189)		CKSRYB102K50

O POWER AMP IN ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
Q	5601(B,61 ,180)	CHIP TRANSISTOR	2SD2704K
Q	5602(B,41 ,219)	TRANSISTOR	IMT4
Q	5603(B,45 ,207)	CHIP TRANSISTOR	2SA1514K
Q	5604(A,28 ,206)	TRANSISTOR	2SA1145
Q	5605(A,30 ,225)	TRANSISTOR	2SC2705
Q	5641(B,15 ,213)	CHIP TR	2SA1255
D	5601(B,38 ,205)	CHIP ZENER DIODE	UDZS3R6(B)
D	5602(B,38 ,207)	DIODE	1SS355
D	5603(B,26 ,222)	DIODE	1SS355
D	5604(B,28 ,212)	DIODE	1SS355
D	5605(B,28 ,218)	DIODE	UDZS4R7(B)
D	5606(B,26 ,212)	DIODE	UDZS4R7(B)
D	5641(B,11 ,229)	DIODE	1SS355
D	5642(B,13 ,229)	DIODE	1SS355
D	5643(B,9 ,229)	DIODE	1SS355
D	5644(B,45 ,238)	DIODE	1SS355
CN	5601(A,71 ,233)	13P PLUG	XKP3066
CN	5602(A,56 ,199)	13P PLUG	XKP3066
CN	5603(A,74 ,131)	19P CONNECTOR	52044-1945
CN	5605(A,47 ,233)	SOCKET 7-P	KP250NA7
CN	5606(A,32 ,199)	SOCKET 7-P	KP250NA7
	5604(A,7 ,215)	5P CABLE HOLDER	51048-0500

RESISTORS

Mark	No.	Description	Part No.
R	5601(B,58 ,178)		RS1/16S102J
R	5602(B,48 ,212)		RS1/16S221J
R	5603(B,48 ,216)		RS1/16S333J
R	5604(B,58 ,182)		RS1/16S103J
R	5605(B,41 ,213)		RS1/16S152J
R	5606(B,38 ,217)		RS1/16S821J
R	5607(B,44 ,203)		RS1/16S2001F
R	5608(B,43 ,212)		RS1/16S682J
R	5609(A,36 ,214)	CARBON FILM RESISTOR	RD1/2VM473J
R	5610(B,32 ,202)		RS1/16S151J
R	5611(B,29 ,203)		RN1/16SE1201D
R	5612(B,31 ,230)		RS1/16S221J
⚠R	5623(A,69 ,206)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5624(A,56 ,217)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5627(A,20 ,225)	RESISTOR (0.18, 5W)	ACN7121
R	5629(B,43 ,224)		RN1/10SE3302D
R	5630(B,45 ,220)		RN1/16SE1001D
R	5631(B,47 ,220)		RN1/16SE1500D
R	5632(B,29 ,229)		RS1/16S151J
R	5641(B,7 ,229)		RS1/16S473J
R	5642(B,13 ,195)		RS1/16S223J
R	5643(B,15 ,230)		RS1/16S471J
R	5644(B,15 ,195)		RS1/16S471J
R	5645(B,11 ,235)		RS1/16S472J
R	5646(B,13 ,235)		RS1/16S472J
R	5647(B,15 ,208)		RS1/16S122J
R	5648(B,48 ,238)		RS1/16S154J
R	5649(B,50 ,235)		RS1/16S103J
R	5650(B,52 ,235)		RS1/16S103J

CAPACITORS

Mark	No.	Description	Part No.
C	5601(A,51 ,212)		CEAT4R7M50
C	5602(B,46 ,216)		CCSRCH221J50
C	5604(B,39 ,213)		CKSRYB102K50
C	5607(A,41 ,203)		CEAT101M10
C	5608(B,35 ,228)	CAPACITOR(CERAMIC)	ACG7057
C	5609(A,31 ,210)	ELECT. CAPACITOR	CEAT100M2A
C	5615(B,47 ,225)		CCSRCH220J50
C	5616(B,45 ,225)		CCSRCH220J50
C	5617(A,50 ,221)		CEAT331M10
C	5623(A,67 ,209)		CEAT100M63
C	5624(A,63 ,225)		CEAT100M63
C	5632(B,28 ,233)		CKSRYB224K16
C	5641(A,13 ,199)		CEANP2R2M50

P POWER PROTECT ASSY

MISCELLANEOUS

IC	5701(B,17 ,153)	OP-AMP IC	BA4560RF
Q	5701(B,10 ,107)	TRANSISTOR	RT1N241M
Q	5702(B,20 ,107)	DIGITAL TR(SC-70)	RT1P241M
Q	5703(B,21 ,118)	TRANSISTOR	RT1N241M
Q	5704(B,16 ,166)	TRANSISTOR	2SC4081
Q	5705(B,13 ,107)	TRANSISTOR	RT1N241M
Q	5706(B,24 ,107)	DIGITAL TR(SC-70)	RT1P241M
D	5701(B,26 ,166)	DIODE	1SS355
D	5702(B,7 ,61)	DIODE	1SS355
CN	5701(A,8 ,97)	11P PLUG	XKP3065
CN	5702(A,21 ,131)	11P PLUG	XKP3065
CN	5703(A,46 ,178)	19P CONNECTOR	52044-1945
CN	5704(A,17 ,181)	CONNECTOR	S5B-PH
CN	5705(A,19 ,39)	17P CONNECTOR	52044-1745
CN	5706(A,13 ,41)	3PIN CONNECTOR	S3B-EH
	5701(A,7 ,47)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
R	5701(B,13 ,118)		RS1/16S562J
R	5702(B,16 ,118)		RS1/16S562J
R	5703(B,27 ,88)		RS1/16S473J
R	5705(B,20 ,81)		RS1/16S0R0J
R	5706(B,18 ,118)		RS1/16S822J
R	5707(B,20 ,88)		RS1/16S473J
R	5708(B,25 ,81)		RS1/16S0R0J
R	5710(B,21 ,149)		RS1/16S223J
R	5711(B,21 ,153)		RS1/16S103J
R	5712(B,12 ,155)		RS1/16S472J
R	5713(B,21 ,158)		RS1/16S103J
R	5714(B,13 ,139)		RS1/16S102J
R	5715(B,8 ,166)		RS1/16S473J
R	5716(B,13 ,166)		RS1/16S472J
R	5717(B,19 ,166)		RS1/16S103J
R	5718(B,7 ,57)		RS1/16S104J
R	5720(B,21 ,166)		RS1/16S103J
R	5721(B,24 ,166)		RS1/16S683J
R	5746(B,17 ,88)		RS1/16S0R0J
R	5747(B,18 ,107)		RS1/16S0R0J
R	5750(B,26 ,161)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	5701(B,25 ,88)		CKSRYB104K50
C	5702(B,22 ,88)		CKSRYB104K50
C	5703(B,24 ,158)		CKSRYB104K50
C	5704(B,12 ,151)		CKSRYB104K50
C	5705(B,11 ,166)		CKSRYB223K50
C	5706(B,14 ,44)		CKSRYB103K50

Mark	No.	Description	Part No.

Q POWER AMP-L ASSY

MISCELLANEOUS

⚠	IC 5001(A,169 ,134)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5002(A,209 ,134)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5101(A,105 ,134)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5102(A,137 ,134)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5201(A,249 ,134)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5202(A,281 ,134)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5601(A,313 ,134)	DARLINGTON POWER IC	SAP17N(OY)
	Q 5001(B,193 ,207)	CHIP TRANSISTOR	2SD2704K
	Q 5002(B,181 ,194)	TRANSISTOR	IMT4
	Q 5003(B,194 ,198)	CHIP TRANSISTOR	2SA1514K
	Q 5004(A,192 ,184)	TRANSISTOR	2SA1145
	Q 5005(A,168 ,192)	TRANSISTOR	2SC2705
	Q 5041(B,156 ,195)	CHIP TR	2SA1255
	Q 5101(B,136 ,207)	CHIP TRANSISTOR	2SD2704K
	Q 5102(B,124 ,194)	TRANSISTOR	IMT4
	Q 5103(B,137 ,198)	CHIP TRANSISTOR	2SA1514K
	Q 5104(A,135 ,184)	TRANSISTOR	2SA1145
	Q 5105(A,112 ,192)	TRANSISTOR	2SC2705
	Q 5141(B,100 ,202)	CHIP TR	2SA1255
	Q 5201(B,274 ,206)	CHIP TRANSISTOR	2SD2704K
	Q 5202(B,262 ,193)	TRANSISTOR	IMT4
	Q 5203(B,275 ,197)	CHIP TRANSISTOR	2SA1514K
	Q 5204(A,273 ,183)	TRANSISTOR	2SA1145
	Q 5205(A,250 ,191)	TRANSISTOR	2SC2705
	Q 5241(B,238 ,197)	CHIP TR	2SA1255
	D 5001(B,197 ,188)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5002(B,195 ,188)	DIODE	1SS355
	D 5003(B,187 ,183)	DIODE	1SS355
	D 5004(B,179 ,183)	DIODE	1SS355
	D 5005(B,184 ,183)	DIODE	UDZS4R7(B)
	D 5006(B,182 ,183)	DIODE	UDZS4R7(B)
	D 5041(B,156 ,174)	DIODE	1SS355
	D 5042(B,158 ,174)	DIODE	1SS355
	D 5043(B,158 ,203)	DIODE	1SS355
	D 5044(B,161 ,170)	DIODE	1SS355
	D 5101(B,141 ,188)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5102(B,139 ,188)	DIODE	1SS355
	D 5103(B,130 ,183)	DIODE	1SS355
	D 5104(B,123 ,183)	DIODE	1SS355
	D 5105(B,128 ,183)	DIODE	UDZS4R7(B)
	D 5106(B,125 ,183)	DIODE	UDZS4R7(B)
	D 5141(B,93 ,187)	DIODE	1SS355
	D 5142(B,96 ,187)	DIODE	1SS355
	D 5143(B,103 ,205)	DIODE	1SS355
	D 5144(B,104 ,182)	DIODE	1SS355
	D 5201(B,279 ,187)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5202(B,276 ,187)	DIODE	1SS355
	D 5203(B,268 ,181)	DIODE	1SS355
	D 5204(B,261 ,181)	DIODE	1SS355
	D 5205(B,266 ,181)	DIODE	UDZS4R7(B)
	D 5206(B,263 ,181)	DIODE	UDZS4R7(B)
	D 5241(B,238 ,173)	DIODE	1SS355
	D 5242(B,240 ,173)	DIODE	1SS355
	D 5243(B,240 ,202)	DIODE	1SS355
	D 5244(B,242 ,173)	DIODE	1SS355

Mark	No.	Description	Part No.
⚠	TH5001(A,160 ,229)	POSISTOR	PTFM04BH222Q2N34B0
⚠	TH5002(A,240 ,229)	POSISTOR	PTFM04BD222Q2N34B0
	CN5001(A,320 ,205)	13P SOCKET	XKP3077
	CN5002(A,86 ,219)	11P SOCKET	XKP3076
	CN5003(A,313 ,196)	7-P PLUG	KM250NA7L

RESISTORS

	R 5001(B,199 ,202)		RS1/16S102J
	R 5002(B,187 ,202)		RS1/16S221J
	R 5003(B,184 ,203)		RS1/16S333J
	R 5004(B,199 ,205)		RS1/16S103J
	R 5005(B,177 ,192)		RS1/16S152J
	R 5006(B,170 ,200)		RS1/16S821J
	R 5007(B,197 ,197)		RS1/16S2001F
	R 5008(B,186 ,194)		RS1/16S682J
	R 5009(A,189 ,193)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5010(B,197 ,183)		RS1/16S151J
	R 5011(B,195 ,184)		RN1/16SE1201D
	R 5012(B,169 ,197)		RS1/16S221J
	R 5013(B,183 ,150)	CHIP RESISTOR	RS1/16S62R0F
	R 5021(B,176 ,153)		RS1/16S101J
	R 5022(B,190 ,153)		RS1/16S101J
⚠	R 5023(A,198 ,166)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5024(A,168 ,176)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5025(B,163 ,156)	CHIP RESISTOR	ACN7132
⚠	R 5026(B,200 ,156)	CHIP RESISTOR	ACN7132
⚠	R 5027(A,192 ,166)	RESISTOR (0.18, 5W)	ACN7121
	R 5029(B,174 ,203)		RN1/10SE3302D
	R 5030(B,180 ,203)		RN1/16SE1001D
	R 5031(B,180 ,205)		RN1/16SE1500D
	R 5032(B,167 ,196)		RS1/16S151J
	R 5041(B,154 ,169)		RS1/16S473J
	R 5042(B,156 ,169)		RS1/16S223J
	R 5043(B,152 ,169)		RS1/16S471J
	R 5044(B,158 ,169)		RS1/16S471J
	R 5045(B,158 ,179)		RS1/16S472J
	R 5046(B,161 ,179)		RS1/16S472J
	R 5047(B,157 ,187)		RS1/16S122J
	R 5048(B,158 ,183)		RS1/16S154J
	R 5049(B,161 ,183)		RS1/16S103J
	R 5050(B,160 ,187)		RS1/16S103J
	R 5101(B,143 ,202)		RS1/16S102J
	R 5102(B,130 ,202)		RS1/16S221J
	R 5103(B,127 ,203)		RS1/16S333J
	R 5104(B,143 ,205)		RS1/16S103J
	R 5105(B,120 ,192)		RS1/16S152J
	R 5106(B,114 ,200)		RS1/16S821J
	R 5107(B,141 ,197)		RS1/16S2001F
	R 5108(B,130 ,194)		RS1/16S682J
	R 5109(A,133 ,193)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5110(B,141 ,183)		RS1/16S151J
	R 5111(B,139 ,184)		RN1/16SE1201D
	R 5112(B,113 ,197)		RS1/16S221J
	R 5113(B,115 ,150)	CHIP RESISTOR	RS1/16S62R0F
	R 5121(B,108 ,153)		RS1/16S101J
	R 5122(B,129 ,150)		RS1/16S101J
⚠	R 5123(A,142 ,166)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5124(A,111 ,176)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5125(B,99 ,156)	CHIP RESISTOR	ACN7132
⚠	R 5126(B,136 ,156)	CHIP RESISTOR	ACN7132
⚠	R 5127(A,136 ,166)	RESISTOR (0.18, 5W)	ACN7121

Mark	No.	Description	Part No.
	R 5129(B,117 ,203)		RN1/10SE3302D
	R 5130(B,123 ,203)		RN1/16SE1001D
	R 5131(B,123 ,205)		RN1/16SE1500D
	R 5132(B,110 ,196)		RS1/16S151J
	R 5141(B,97 ,182)		RS1/16S473J
	R 5142(B,99 ,182)		RS1/16S223J
	R 5143(B,95 ,182)		RS1/16S471J
	R 5144(B,102 ,182)		RS1/16S471J
	R 5145(B,100 ,187)		RS1/16S472J
	R 5146(B,102 ,187)		RS1/16S472J
	R 5147(B,99 ,195)		RS1/16S122J
	R 5148(B,100 ,191)		RS1/16S154J
	R 5149(B,102 ,191)		RS1/16S103J
	R 5150(B,102 ,195)		RS1/16S103J
	R 5201(B,281 ,201)		RS1/16S102J
	R 5202(B,268 ,201)		RS1/16S221J
	R 5203(B,265 ,202)		RS1/16S333J
	R 5204(B,281 ,204)		RS1/16S103J
	R 5205(B,258 ,191)		RS1/16S152J
	R 5206(B,252 ,199)		RS1/16S821J
	R 5207(B,279 ,196)		RS1/16S2001F
	R 5208(B,268 ,193)		RS1/16S682J
	R 5209(A,271 ,192)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5210(B,278 ,183)		RS1/16S151J
	R 5211(B,276 ,183)		RN1/16SE1201D
	R 5212(B,251 ,196)		RS1/16S221J
	R 5213(B,259 ,149)	CHIP RESISTOR	RS1/16S62R0F
	R 5221(B,251 ,153)		RS1/16S101J
	R 5222(B,269 ,153)		RS1/16S101J
⚠	R 5223(A,280 ,164)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5224(A,250 ,175)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5225(B,238 ,156)	CHIP RESISTOR	ACN7132
⚠	R 5226(B,279 ,156)	CHIP RESISTOR	ACN7132
⚠	R 5227(A,274 ,165)	RESISTOR (0.18, 5W)	ACN7121
	R 5229(B,255 ,202)		RN1/10SE3302D
	R 5230(B,261 ,202)		RN1/16SE1001D
	R 5231(B,261 ,204)		RN1/16SE1500D
	R 5232(B,248 ,195)		RS1/16S151J
	R 5241(B,237 ,169)		RS1/16S473J
	R 5242(B,239 ,169)		RS1/16S223J
	R 5243(B,235 ,169)		RS1/16S471J
	R 5244(B,241 ,169)		RS1/16S471J
	R 5245(B,240 ,180)		RS1/16S472J
	R 5246(B,242 ,180)		RS1/16S472J
	R 5247(B,240 ,189)		RS1/16S122J
	R 5248(B,237 ,180)		RS1/16S154J
	R 5249(B,242 ,184)		RS1/16S103J
	R 5250(B,240 ,184)		RS1/16S103J
⚠	R 5292(B,300 ,156)	CHIP RESISTOR	ACN7132
	R 5613(B,314 ,153)	CHIP RESISTOR	RS1/16S62R0F
	R 5621(B,308 ,151)		RS1/16S101J

CAPACITORS

	C 5001(A,190 ,203)		CEAT4R7M50
	C 5002(B,184 ,200)		CCSRCH221J50
	C 5004(B,174 ,197)		CKSRYB102K50
	C 5007(A,202 ,193)		CEAT101M10
	C 5008(B,171 ,197)	CAPACITOR(CERAMIC)	ACG7057
	C 5009(A,186 ,188)	ELECT. CAPACITOR	CEAT100M2A
	C 5011(B,169 ,142)	CAPACITOR(CERAMIC)	ACG7056
	C 5012(B,197 ,142)	CAPACITOR(CERAMIC)	ACG7056
	C 5015(B,175 ,205)		CCSRCH220J50
	C 5016(B,175 ,207)		CCSRCH220J50
	C 5017(A,179 ,207)		CEAT331M10
	C 5023(A,197 ,180)		CEAT100M63
	C 5024(A,173 ,186)		CEAT100M63
	C 5032(B,166 ,199)		CKSRYB224K16
	C 5041(A,155 ,190)		CEANP2R2M50
	C 5051(A,219 ,183)	ELECT. CAPACITOR	CEAT100M2A
	C 5052(A,223 ,177)	ELECT. CAPACITOR	CEAT100M2A
	C 5101(A,133 ,203)		CEAT4R7M50
	C 5102(B,127 ,200)		CCSRCH221J50
	C 5104(B,117 ,197)		CKSRYB102K50
	C 5107(A,145 ,193)		CEAT101M10
	C 5108(B,115 ,197)	CAPACITOR(CERAMIC)	ACG7057
	C 5109(A,129 ,188)	ELECT. CAPACITOR	CEAT100M2A
	C 5111(B,101 ,142)	CAPACITOR(CERAMIC)	ACG7056
	C 5112(B,130 ,142)	CAPACITOR(CERAMIC)	ACG7056
	C 5115(B,119 ,205)		CCSRCH220J50
	C 5116(B,119 ,207)		CCSRCH220J50
	C 5117(A,123 ,207)		CEAT331M10
	C 5123(A,141 ,180)		CEAT100M63
	C 5124(A,116 ,186)		CEAT100M63
	C 5132(B,110 ,199)		CKSRYB224K16
	C 5141(A,96 ,198)		CEANP2R2M50
	C 5201(A,271 ,202)		CEAT4R7M50
	C 5202(B,265 ,199)		CCSRCH221J50
	C 5204(B,255 ,196)		CKSRYB102K50
	C 5207(A,283 ,192)		CEAT101M10
	C 5208(B,253 ,196)	CAPACITOR(CERAMIC)	ACG7057
	C 5209(A,267 ,187)	ELECT. CAPACITOR	CEAT100M2A
	C 5211(B,244 ,142)	CAPACITOR(CERAMIC)	ACG7056
	C 5212(B,275 ,142)	CAPACITOR(CERAMIC)	ACG7056
	C 5215(B,257 ,204)		CCSRCH220J50
	C 5216(B,257 ,206)		CCSRCH220J50
	C 5217(A,261 ,206)		CEAT331M10
	C 5223(A,287 ,181)		CEAT100M63
	C 5224(A,255 ,185)		CEAT100M63
	C 5232(B,248 ,198)		CKSRYB224K16
	C 5241(A,237 ,192)		CEANP2R2M50
	C 5611(B,307 ,142)	CAPACITOR(CERAMIC)	ACG7056

R POWER AMP-R ASSY

MISCELLANEOUS

⚠	IC 5301(A,197 ,112)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5302(A,157 ,112)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5401(A,125 ,112)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5402(A,93 ,112)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5501(A,269 ,112)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5502(A,237 ,112)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5602(A,301 ,112)	DARLINGTON POWER IC	SAP17P(OY)
	Q 5301(B,196 ,38)	CHIP TRANSISTOR	2SD2704K
	Q 5302(B,187 ,52)	TRANSISTOR	IMT4
	Q 5303(B,173 ,49)	CHIP TRANSISTOR	2SA1514K
	Q 5304(A,176 ,63)	TRANSISTOR	2SA1145
	Q 5305(A,199 ,49)	TRANSISTOR	2SC2705
	Q 5341(B,152 ,48)	CHIP TR	2SA1255
	Q 5401(B,132 ,38)	CHIP TRANSISTOR	2SD2704K
	Q 5402(B,126 ,52)	TRANSISTOR	IMT4

Mark	No.	Description	Part No.
	Q 5403(B,113 ,48)	CHIP TRANSISTOR	2SA1514K
	Q 5404(A,119 ,64)	TRANSISTOR	2SA1145
A	Q 5405(A,139 ,49)	TRANSISTOR	2SC2705
	Q 5441(B,94 ,46)	CHIP TR	2SA1255
	Q 5501(B,285 ,38)	CHIP TRANSISTOR	2SD2704K
	Q 5502(B,276 ,52)	TRANSISTOR	IMT4
	Q 5503(B,262 ,49)	CHIP TRANSISTOR	2SA1514K
	Q 5504(A,260 ,63)	TRANSISTOR	2SA1145
	Q 5505(A,288 ,49)	TRANSISTOR	2SC2705
	Q 5541(B,239 ,49)	CHIP TR	2SA1255
	Q 5571(B,225 ,38)	TRANSISTOR	2SC4081
	Q 5572(B,222 ,38)	TRANSISTOR	2SC4081
	D 5301(B,171 ,57)	CHIP ZENER DIODE	UDZS3R6(B)
B	D 5302(B,173 ,59)	DIODE	1SS355
	D 5303(B,181 ,64)	DIODE	1SS355
	D 5304(B,187 ,64)	DIODE	1SS355
	D 5305(B,183 ,64)	DIODE	UDZS4R7(B)
	D 5306(B,185 ,64)	DIODE	UDZS4R7(B)
	D 5341(B,153 ,67)	DIODE	1SS355
	D 5342(B,151 ,67)	DIODE	1SS355
	D 5343(B,151 ,44)	DIODE	1SS355
	D 5344(B,155 ,70)	DIODE	1SS355
	D 5401(B,114 ,59)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5402(B,116 ,60)	DIODE	1SS355
C	D 5403(B,124 ,64)	DIODE	1SS355
	D 5404(B,130 ,64)	DIODE	1SS355
	D 5405(B,126 ,64)	DIODE	UDZS4R7(B)
	D 5406(B,128 ,64)	DIODE	UDZS4R7(B)
	D 5441(B,93 ,58)	DIODE	1SS355
	D 5442(B,90 ,58)	DIODE	1SS355
	D 5443(B,94 ,40)	DIODE	1SS355
	D 5444(B,111 ,79)	DIODE	1SS355
	D 5501(B,255 ,57)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5502(B,257 ,59)	DIODE	1SS355
	D 5503(B,265 ,64)	DIODE	1SS355
D	D 5504(B,271 ,64)	DIODE	1SS355
	D 5505(B,267 ,64)	DIODE	UDZS4R7(B)
	D 5506(B,269 ,64)	DIODE	UDZS4R7(B)
	D 5541(B,240 ,71)	DIODE	1SS355
	D 5542(B,238 ,71)	DIODE	1SS355
	D 5543(B,242 ,46)	DIODE	1SS355
	D 5544(B,242 ,73)	DIODE	1SS355
	⚠TH5301(A,166 ,17)	POSISTOR	PTFM04BH222Q2N34B0
	CN5301(A,320 ,26)	13P SOCKET	XKP3077
	CN5302(A,86 ,40)	11P SOCKET	XKP3076
E	CN5303(A,313 ,66)	7-P PLUG	KM250NA7L

RESISTORS

	R 5301(B,203 ,43)		RS1/16S102J
	R 5302(B,191 ,42)		RS1/16S221J
	R 5303(B,187 ,41)		RS1/16S333J
	R 5304(B,203 ,40)		RS1/16S103J
	R 5305(B,194 ,55)		RS1/16S152J
	R 5306(B,194 ,52)		RS1/16S821J
	R 5307(B,169 ,48)		RS1/16S2001F
	R 5308(B,180 ,52)		RS1/16S682J
F	R 5309(A,177 ,48)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5310(B,171 ,64)		RS1/16S151J
	R 5311(B,173 ,63)		RN1/16SE1201D
	R 5312(B,202 ,52)		RS1/16S221J
	R 5313(B,183 ,97)	CHIP RESISTOR	RS1/16S62R0F
	R 5321(B,190 ,93)		RS1/16S101J
	R 5322(B,176 ,93)		RS1/16S101J
	⚠R 5323(A,163 ,72)	CARBON FILM RESISTOR	RD1/4MUF4R7J
	⚠R 5324(A,198 ,83)	CARBON FILM RESISTOR	RD1/4MUF4R7J
	⚠R 5325(B,203 ,90)	CHIP RESISTOR	ACN7132
	⚠R 5326(B,166 ,91)	CHIP RESISTOR	ACN7132
	⚠R 5327(A,174 ,80)	RESISTOR (0.18, 5W)	ACN7121
	R 5329(B,179 ,45)		RN1/10SE3302D
	R 5330(B,183 ,46)		RN1/16SE1001D
	R 5331(B,183 ,43)		RN1/16SE1500D
	R 5332(B,203 ,49)		RS1/16S151J
	R 5341(B,153 ,77)		RS1/16S473J
	R 5342(B,151 ,77)		RS1/16S223J
	R 5343(B,153 ,73)		RS1/16S471J
	R 5344(B,151 ,73)		RS1/16S471J
	R 5345(B,152 ,60)		RS1/16S472J
	R 5346(B,150 ,60)		RS1/16S472J
	R 5347(B,147 ,58)		RS1/16S122J
	R 5348(B,151 ,55)		RS1/16S154J
	R 5349(B,151 ,57)		RS1/16S103J
	R 5350(B,156 ,46)		RS1/16S103J
	R 5401(B,138 ,43)		RS1/16S102J
	R 5402(B,126 ,42)		RS1/16S221J
	R 5403(B,123 ,41)		RS1/16S333J
	R 5404(B,138 ,40)		RS1/16S103J
	R 5405(B,134 ,55)		RS1/16S152J
	R 5406(B,134 ,52)		RS1/16S821J
	R 5407(B,109 ,48)		RS1/16S2001F
	R 5408(B,120 ,52)		RS1/16S682J
	R 5409(A,117 ,48)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5410(B,114 ,65)		RS1/16S151J
	R 5411(B,116 ,64)		RN1/16SE1201D
	R 5412(B,141 ,52)		RS1/16S221J
	R 5413(B,115 ,97)	CHIP RESISTOR	RS1/16S62R0F
	R 5421(B,128 ,93)		RS1/16S101J
	R 5422(B,108 ,93)		RS1/16S101J
	⚠R 5423(A,111 ,75)	CARBON FILM RESISTOR	RD1/4MUF4R7J
	⚠R 5424(A,142 ,83)	CARBON FILM RESISTOR	RD1/4MUF4R7J
	⚠R 5425(B,135 ,91)	CHIP RESISTOR	ACN7132
	⚠R 5426(B,96 ,91)	CHIP RESISTOR	ACN7132
	⚠R 5427(A,118 ,80)	RESISTOR (0.18, 5W)	ACN7121
	R 5429(B,114 ,44)		RN1/10SE3302D
	R 5430(B,118 ,45)		RN1/16SE1001D
	R 5431(B,118 ,43)		RN1/16SE1500D
	R 5432(B,143 ,49)		RS1/16S151J
	R 5441(B,99 ,85)		RS1/16S473J
	R 5442(B,97 ,85)		RS1/16S223J
	R 5443(B,101 ,85)		RS1/16S471J
	R 5444(B,95 ,85)		RS1/16S471J
	R 5445(B,91 ,52)		RS1/16S472J
	R 5446(B,91 ,50)		RS1/16S472J
	R 5447(B,90 ,46)		RS1/16S122J
	R 5448(B,94 ,51)		RS1/16S154J
	R 5449(B,96 ,51)		RS1/16S103J
	R 5450(B,98 ,46)		RS1/16S103J
	R 5501(B,292 ,43)		RS1/16S102J
	R 5502(B,280 ,42)		RS1/16S221J
	R 5503(B,276 ,41)		RS1/16S333J

Mark	No.	Description	Part No.
	R 5504(B,292 ,40)		RS1/16S103J
	R 5505(B,283 ,55)		RS1/16S152J
	R 5506(B,283 ,52)		RS1/16S821J
	R 5507(B,258 ,48)		RS1/16S2001F
	R 5508(B,269 ,52)		RS1/16S682J
	R 5509(A,266 ,48)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5510(B,255 ,63)		RS1/16S151J
	R 5511(B,257 ,63)		RN1/16SE1201D
	R 5512(B,290 ,52)		RS1/16S221J
	R 5513(B,259 ,97)	CHIP RESISTOR	RS1/16S62R0F
	R 5521(B,270 ,94)		RS1/16S101J
	R 5522(B,251 ,93)		RS1/16S101J
⚠	R 5523(A,247 ,69)	CARBON FILM RESISTOR	RRD1/4MUF4R7J
⚠	R 5524(A,283 ,82)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5525(B,277 ,91)	CHIP RESISTOR	ACN7132
⚠	R 5526(B,238 ,91)	CHIP RESISTOR	ACN7132
⚠	R 5527(A,258 ,80)	RESISTOR (0.18, 5W)	ACN7121
	R 5529(B,268 ,45)		RN1/10SE3302D
	R 5530(B,272 ,46)		RN1/16SE1001D
	R 5531(B,272 ,43)		RN1/16SE1500D
	R 5532(B,292 ,49)		RS1/16S151J
	R 5541(B,241 ,77)		RS1/16S473J
	R 5542(B,235 ,77)		RS1/16S223J
	R 5543(B,239 ,77)		RS1/16S471J
	R 5544(B,237 ,77)		RS1/16S471J
	R 5545(B,240 ,64)		RS1/16S472J
	R 5546(B,238 ,64)		RS1/16S472J
	R 5547(B,238 ,57)		RS1/16S122J
	R 5548(B,235 ,68)		RS1/16S154J
	R 5549(B,235 ,64)		RS1/16S103J
	R 5550(B,245 ,45)		RS1/16S103J
	R 5571(B,228 ,38)		RS1/16S472J
⚠	R 5592(B,301 ,91)	CHIP RESISTOR	ACN7132
	R 5622(B,308 ,96)		RS1/16S101J

CAPACITORS

	C 5301(A,194 ,43)		CEAT4R7M50
	C 5302(B,187 ,43)		CCSRCH221J50
	C 5304(B,198 ,55)		CKSRYB102K50
	C 5307(A,164 ,52)		CEAT101M10
	C 5308(B,198 ,52)	CAPACITOR(CERAMIC)	ACG7057
	C 5309(A,181 ,58)	ELECT. CAPACITOR	CEAT100M2A
	C 5311(B,197 ,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5312(B,170 ,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5315(B,179 ,43)		CCSRCH220J50
	C 5316(B,174 ,43)		CCSRCH220J50
	C 5317(A,179 ,39)		CEAT331M10
	C 5323(A,160 ,63)		CEAT100M63
	C 5324(A,191 ,61)		CEAT100M63
	C 5332(B,204 ,52)		CKSRYB224K16
	C 5341(A,147 ,62)		CEANP2R2M50
	C 5351(A,228 ,68)	ELECT. CAPACITOR	CEAT100M2A
	C 5352(A,224 ,62)	ELECT. CAPACITOR	CEAT100M2A
	C 5401(A,129 ,43)		CEAT4R7M50
	C 5402(B,123 ,43)		CCSRCH221J50
	C 5404(B,138 ,55)		CKSRYB102K50
	C 5407(A,105 ,52)		CEAT101M10
	C 5408(B,138 ,52)	CAPACITOR(CERAMIC)	ACG7057
	C 5409(A,125 ,59)	ELECT. CAPACITOR	CEAT100M2A
	C 5411(B,130 ,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5412(B,101 ,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5415(B,114 ,42)		CCSRCH220J50
	C 5416(B,109 ,43)		CCSRCH220J50
	C 5417(A,114 ,39)		CEAT331M10
	C 5423(A,107 ,61)		CEAT100M63
	C 5424(A,135 ,61)		CEAT100M63
	C 5432(B,143 ,52)		CKSRYB224K16
	C 5441(A,87 ,45)		CEANP2R2M50
	C 5501(A,283 ,43)		CEAT4R7M50
	C 5502(B,276 ,43)		CCSRCH221J50
	C 5504(B,287 ,55)		CKSRYB102K50
	C 5507(A,253 ,52)		CEAT101M10
	C 5508(B,287 ,52)	CAPACITOR(CERAMIC)	ACG7057
	C 5509(A,265 ,58)	ELECT. CAPACITOR	CEAT100M2A
	C 5511(B,272 ,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5512(B,245 ,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5515(B,268 ,43)		CCSRCH220J50
	C 5516(B,263 ,43)		CCSRCH220J50
	C 5517(A,268 ,39)		CEAT331M10
	C 5523(A,244 ,59)		CEAT100M63
	C 5524(A,280 ,61)		CEAT100M63
	C 5532(B,293 ,52)		CKSRYB224K16
	C 5541(A,238 ,54)		CEANP2R2M50
	C 5571(A,231 ,35)		CEAT331M10
	C 5612(B,307 ,104)	CAPACITOR(CERAMIC)	ACG7056

S LOCAL SUPPLY ASSY

MISCELLANEOUS

⚠	IC 6101(A,149 ,69)	IC	NJM78M05FA
⚠	IC 6102(A,149 ,19)	REGULATOR IC	NJM78M56FA
⚠	IC 6103(A,11 ,64)	REGULATOR IC	NJM78M12FA
⚠	IC 6104(A,11 ,39)	REGULATOR IC	NJM78M12FA
⚠	IC 6105(A,149 ,44)	IC	NJM79M05FA
⚠	IC 6106(A,11 ,14)	REGULATOR IC	NJM79M12FA
⚠	IC 6108(A,51 ,63)	PROTECTOR(1.6A)	AEK7012
	Q 6101(B,40 ,96)	TRANSISTOR	UMD2N
	Q 6102(B,56 ,82)	TRANSISTOR	RT1N241M
⚠	Q 6103(A,11 ,89)	TRANSISTOR	2SD1763A
⚠	D 6101(A,111 ,50)	DIODE	D3SBA20(B)
⚠	D 6102(B,65 ,61)	DIODE	1SR154-400
⚠	D 6103(B,56 ,61)	DIODE	1SR154-400
⚠	D 6104(B,61 ,61)	DIODE	1SR154-400
	D 6105(B,86 ,72)	DIODE	UDZS6R2(B)
	D 6106(B,88 ,77)	DIODE	UDZS6R2(B)
	D 6107(B,85 ,77)	DIODE	UDZS6R2(B)
	D 6108(B,94 ,80)	DIODE	UDZS6R2(B)
	D 6109(B,88 ,90)	DIODE	UDZS6R2(B)
	D 6110(B,40 ,81)	DIODE	UDZS27(B)
	D 6111(B,140 ,68)	CHIP DIODE	RB501V-40
	D 6115(B,26 ,71)	CHIP DIODE	RB501V-40
⚠	D 6119(B,47 ,73)	DIODE	1SR154-400
⚠	D 6120(B,52 ,73)	DIODE	1SR154-400
	D 6121(B,141 ,10)	CHIP DIODE	RB501V-40
⚠	D 6122(B,59 ,39)	DIODE	1SR154-400
⚠	D 6123(B,63 ,39)	DIODE	1SR154-400
	D 6124(B,142 ,39)	CHIP DIODE	RB501V-40
	D 6125(B,149 ,50)	DIODE	1SS355
	D 6126(B,18 ,43)	CHIP DIODE	RB501V-40
⚠	D 6127(B,63 ,26)	DIODE	1SR154-400

Mark	No.	Description	Part No.
⚠	D 6128(B,59 ,26)	DIODE	1SR154-400
	D 6129(B,18 ,16)	CHIP DIODE	RB501V-40
	J 6104(A,70 ,95)	CONNECTOR ASS'Y	PF05PG-Q20
	CN6101(A,112 ,73)	CONNECTOR	B12B-PH
	CN6103(A,91 ,93)	6P JUMPER CONNECTOR	52147-0610
	CN6105(A,60 ,8)	CONNECTOR	B8B-PH
	CN6106(A,87 ,8)	CONNECTOR	B11B-PH
	6102(A,121 ,83)	4P CABLE HOLDER	51048-0400

RESISTORS

	R 6101(B,75 ,71)		RS1/16S473J
⚠	R 6103(A,76 ,77)	CARBON FILM RESISTOR	RD1/4MUF391J
	R 6105(B,40 ,90)		RS1/16S472J
	R 6106(B,68 ,83)		RS1/16S222J
⚠	R 6107(A,97 ,60)	CARBON FILM RESISTOR	RD1/4MUF4R7J
	R 6108(B,33 ,91)		RS1/16S101J

CAPACITORS

	C 6101(A,120 ,76)	FILM CAPACITOR	CQMBA104J50
	C 6103(B,95 ,89)		CKSRYB103K50
	C 6105(B,146 ,72)		CKSRYB103K50
	C 6107(A,110 ,61)	FILM CAPACITOR	CQMBA104J50
	C 6110(B,145 ,22)		CKSRYB103K50
	C 6111(B,142 ,46)		CKSRYB103K50
	C 6112(B,14 ,63)		CKSRYB103K50
	C 6115(B,15 ,37)		CKSRYB103K50
	C 6116(B,14 ,11)		CKSRYB103K50
	C 6117(A,68 ,52)	ELECT. CAPACITOR	CEANP101M35
	C 6118(A,44 ,70)	ELECT. CAPACITOR	CEANP102M16
	C 6120(A,62 ,81)	ELECT. CAPACITOR	CEANP470M25
	C 6122(A,60 ,70)	ELECT. CAPACITOR	CEAT101M35
	C 6123(A,71 ,70)		CEAT221M35
	C 6124(A,91 ,72)		CEAT470M50
	C 6125(A,84 ,89)		CEAT101M16
	C 6126(A,46 ,85)	ELECT. CAPACITOR	CEAT102M35
	C 6127(A,112 ,37)	ELECT. CAPACITOR	CEAT682M16
	C 6128(A,39 ,84)		CEAT100M50
	C 6129(A,144 ,58)		CEAT221M16
	C 6130(A,141 ,19)		CEAT101M16
	C 6131(A,94 ,37)	ELECT. CAPACITOR	CEAT222M16
	C 6132(A,48 ,51)	ELECT. CAPACITOR	CEAT222M25
	C 6133(A,144 ,31)		CEAT101M16
	C 6134(A,16 ,68)		CEAT100M50
	C 6135(A,18 ,52)		CEAT221M25
	C 6136(A,48 ,34)	ELECT. CAPACITOR	CEAT222M25
	C 6137(A,18 ,27)		CEAT221M25
	C 6138(B,16 ,89)		CKSRYB102K50
	C 6139(A,56 ,90)		CEAT100M50

T DC/DC ASSY

MISCELLANEOUS

⚠	IC 4271(A,112 ,80)	REGULATOR IC	PQ1CG3032FZ
⚠	D 4271(A,68 ,85)	DIODE	D3SBA20(B)
⚠	D 4272(B,124 ,77)	DIODE	RB051L-40
	L 4271(A,133 ,58)	INDUCTOR	ATH7020
	CN4271(A,60 ,54)	4PJUMPER CONNECTOR	52151-0410
	CN4272(A,107 ,50)	3PIN CONNECTOR	S3B-EH
	4273(A,62 ,68)	PCB BINDER	VEF1040

RESISTORS

⚠	R 4271(A,67 ,58)	CARBON FILM RESISTOR	RD1/4MUF4R7J
	R 4272(B,110 ,76)		RN1/16SE1001D
	R 4273(B,106 ,76)		RN1/16SE3001D
	R 4274(B,104 ,76)		RS1/16S101J

CAPACITORS

	C 4271(A,67 ,53)	FILM CAPACITOR	CQMBA104J50
	C 4272(A,92 ,66)	ELECT. CAPACITOR	CEAT103M16
	C 4273(A,118 ,53)	ELECT. CAPACITOR	CEHAZL102M6R3
	C 4274(A,109 ,67)	ELECT. CAPACITOR	CEHAZL102M16
	C 4274(B,85 ,85)	ELECT. CAPACITOR	CEHAZL102M16
	C 4274(B,62 ,71)	ELECT. CAPACITOR	CEHAZL102M16

U TRANS2-1 ASSY

MISCELLANEOUS

⚠	IC 4201(A,111 ,106)	PROTECTOR(7A)	AEK7021
⚠	IC 4202(A,95 ,152)	PROTECTOR(7A)	AEK7021
	Q 4201(B,90 ,97)	CHIP TRANSISTOR	RN1901
	Q 4202(B,81 ,97)	TRANSISTOR	UMD2N
	Q 4203(B,73 ,97)	TRANSISTOR	UMD2N
⚠	D 4201(B,100 ,140)	BRIDGE DIODE	S1WB(A)60SD
	D 4203(B,98 ,105)	DIODE	UDZS8R2(B)
	D 4204(B,71 ,105)	DIODE	UDZS7R5(B)
	D 4205(B,100 ,105)	DIODE	UDZS9R1(B)
	D 4206(B,71 ,102)	DIODE	UDZS8R2(B)
	D 4207(B,100 ,99)	DIODE	UDZS9R1(B)
	D 4208(B,76 ,104)	DIODE	UDZS8R2(B)
	D 4209(B,96 ,99)	DIODE	UDZS6R8(B)
	D 4210(B,76 ,101)	DIODE	UDZS6R8(B)
	D 4211(B,94 ,102)	DIODE	UDZS13(B)
	D 4212(B,81 ,101)	DIODE	UDZS15(B)
	D 4213(B,96 ,104)	DIODE	UDZS15(B)
	D 4214(B,81 ,104)	DIODE	UDZS15(B)
	D 4215(B,77 ,95)	DIODE	UDZS13(B)
	D 4216(B,68 ,94)	DIODE	UDZS13(B)
	J 4201JUMPER WIRE		D20PDY0610E
	4201(A,73 ,128)	6P CABLE HOLDER	51048-0600

RESISTORS

⚠	R 4201(A,106 ,118)	CARBON FILM RESISTOR	RD1/4MUF100J
	R 4203(A,95 ,93)	CARBON FILM RESISTOR	RD1/4MUF470J
⚠	R 4205(A,85 ,129)	METAL OXIDE RESISTOR	RS1LMF472J
⚠	R 4206(A,71 ,109)	METAL OXIDE RESISTOR	RS1LMF472J
⚠	R 4207(A,88 ,126)	CARBON FILM RESISTOR	RD1/2LMF332J
⚠	R 4208(A,75 ,106)	CARBON FILM RESISTOR	RD1/2LMF332J

CAPACITORS

	C 4201(A,106 ,112)	FILM CAPACITOR	CFTLA104J2A
	C 4202(A,110 ,156)	FILM CAPACITOR	CFTLA104J2A
	C 4203(A,106 ,100)	PPS CAPACITOR	CQHA102J2A
	C 4204(A,106 ,94)	PPS CAPACITOR	CQHA102J2A
	C 4205(A,91 ,136)	ELECT. CAPACITOR	CEAT471M2A
	C 4206(A,81 ,149)	ELECT. CAPACITOR	CEAT471M2A
	C 4207(A,94 ,119)	ELECT. CAPACITOR	CEAT101M63
	C 4208(A,94 ,108)	ELECT. CAPACITOR	CEAT101M63
	C 4209(A,65 ,132)	ELECT. CAPACITOR	CEAT221M2A
	C 4210(A,72 ,120)	ELECT. CAPACITOR	CEAT221M2A

V VH TR ASSY

MISCELLANEOUS

⚠	IC 4261IC PROTECTOR		ICP-N15

Mark	No.	Description	Part No.
⚠	IC 4262	IC PROTECTOR	ICP-N15
⚠	Q 4261(A,36 ,31)	TRANSISTOR	2SD1763A
⚠	Q 4262(A,21 ,31)	TRANSISTOR	2SB1186A
	Q 4263(B,30 ,20)	CHIP TRANSISTOR	2SC3906K
	Q 4264(B,15 ,20)	CHIP TRANSISTOR	2SA1514K
⚠	D 4261(B,42 ,16)	DIODE	1SR154-400
⚠	D 4262(B,26 ,19)	DIODE	1SR154-400
	CN4261(A,23 ,9)	6P JUMPER CONNECTOR	52147-0610

RESISTORS

	R 4261(B,29 ,24)		RS1/16S100J
	R 4262(B,14 ,24)		RS1/16S100J
	R 4263(B,30 ,15)		RS1/16S471J
	R 4264(B,14 ,13)		RS1/16S471J

W DIODE ASSY

MISCELLANEOUS

⚠	D 4251(A,189 ,128)	DIODE	D5SBA20(B)
⚠	D 4252(A,154 ,128)	DIODE	D5SBA20(B)

X SP/PS ASSY (VSX-AX4AVi-S)

MISCELLANEOUS

	Q 4001(B,150 ,72)	CHIP TRANSISTOR	DTC114TUA
	Q 4002(B,229 ,97)	CHIP TRANSISTOR	DTC114TUA
	Q 4003(B,247 ,90)	CHIP TRANSISTOR	DTC114TUA
	Q 4004(B,290 ,84)	CHIP TRANSISTOR	DTC114TUA
	Q 4005(B,212 ,99)	CHIP TRANSISTOR	DTC114TUA
	D 4001(B,168 ,80)	DIODE	1SS355
	D 4002(B,165 ,80)	DIODE	1SS355
	D 4003(B,216 ,88)	DIODE	1SS355
	D 4004(B,213 ,88)	DIODE	1SS355
	D 4005(B,247 ,82)	DIODE	1SS355
	D 4006(B,244 ,82)	DIODE	1SS355
	D 4007(B,291 ,79)	DIODE	1SS355
	D 4008(B,289 ,79)	DIODE	1SS355
	D 4009(B,217 ,99)	DIODE	1SS355
	D 4010(B,215 ,99)	DIODE	1SS355
	L 4011(A,188 ,78)	COIL	ATH1053
	L 4021(A,149 ,68)	COIL	ATH1053
	L 4031(A,199 ,83)	COIL	ATH1053
	L 4041(A,258 ,82)	COIL	ATH1053
	L 4051(A,236 ,90)	COIL	ATH1053
	L 4061(A,299 ,81)	COIL	ATH1053
	L 4071(A,280 ,84)	COIL	ATH1053
	J 4009(A,147 ,76)	CONNECTOR ASS'Y	PF13PG-R12
	RY4001(A,163 ,81)	RELAY	XSR3002
	RY4002(A,211 ,89)	RELAY	XSR3002
	RY4003(A,242 ,83)	RELAY	XSR3002
	RY4004(A,286 ,82)	RELAY	XSR3002
	RY4005(A,219 ,103)	RELAY	XSR3002
	CN4001(A,185 ,33)	SP TERMINAL 6-P(V0)	XKE3018
	CN4002(A,248 ,33)	SP TERMINAL 8-P(V0)	XKE3017
	CN4007(A,313 ,90)	5P PLUG	KM200TA5
	CN4008(A,313 ,152)	9P PLUG	KM200TA9
	Y 13	AWG14 BOARD IN	ADX7461

RESISTORS

⚠	R 4011(A,187 ,68)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4012(A,175 ,64)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4013(A,193 ,94)	METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 4021(A,158 ,70)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4022(A,145 ,58)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4023(A,188 ,97)	METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 4031(A,196 ,87)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4032(A,194 ,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4041(A,254 ,82)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4042(A,267 ,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4051(A,240 ,93)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4052(A,228 ,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4061(A,309 ,79)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4062(A,313 ,73)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4071(A,280 ,88)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4072(A,268 ,94)	METAL OXIDE RESISTOR	RS1LMF100J
	R 4101(A,222 ,115)	CARBON FILM RESISTOR	RD1/4MUF473J
	R 4102(A,252 ,115)	CARBON FILM RESISTOR	RD1/4MUF473J

CAPACITORS

	C 4001(A,162 ,88)		CEAT101M50
	C 4011(A,182 ,60)		CFTLA104J50
	C 4012(A,178 ,57)		CFTLA104J50
	C 4013(A,169 ,49)	FILM CAPACITOR	CQMBA103J50
	C 4021(A,145 ,48)		CFTLA104J50
	C 4022(A,145 ,39)		CFTLA104J50
	C 4023(A,157 ,42)	FILM CAPACITOR	CQMBA103J50
	C 4031(A,197 ,63)		CFTLA104J50
	C 4032(A,192 ,57)		CFTLA104J50
	C 4033(A,201 ,67)	FILM CAPACITOR	CQMBA103J50
	C 4041(A,257 ,63)		CFTLA104J50
	C 4042(A,257 ,54)		CFTLA104J50
	C 4043(A,247 ,56)	FILM CAPACITOR	CQMBA103J50
	C 4051(A,224 ,61)		CFTLA104J50
	C 4052(A,228 ,55)		CFTLA104J50
	C 4053(A,232 ,49)	FILM CAPACITOR	CQMBA103J50
	C 4061(A,304 ,61)		CFTLA104J50
	C 4062(A,304 ,54)		CFTLA104J50
	C 4063(A,296 ,57)	FILM CAPACITOR	CQMBA103J50
	C 4071(A,270 ,65)		CFTLA104J50
	C 4072(A,272 ,59)		CFTLA104J50
	C 4073(A,276 ,59)	FILM CAPACITOR	CQMBA103J50
	C 4101(A,212 ,137)	ELECTR.CAPACITOR	ACH7218
	C 4102(A,258 ,137)	ELECTR.CAPACITOR	ACH7218

Y TRANS2-2 ASSY

MISCELLANEOUS

	H 3151(A,173 ,78)	FUSE CLIP	AKR7001
	H 3152(A,151 ,78)	FUSE CLIP	AKR7001
	H 3153(A,174 ,67)	FUSE CLIP	AKR7001
	H 3154(A,152 ,67)	FUSE CLIP	AKR7001
	H 3155(A,173 ,56)	FUSE CLIP	AKR7001
	H 3156(A,151 ,56)	FUSE CLIP	AKR7001
	H 3157(A,173 ,43)	FUSE CLIP	AKR7001
	H 3158(A,151 ,43)	FUSE CLIP	AKR7001
	H 3159(A,173 ,32)	FUSE CLIP	AKR7001
	H 3160(A,151 ,32)	FUSE CLIP	AKR7001
	J 3001(A,138 ,39)	CONNECTOR ASS'Y	PF12PG-R40

Z TRANS1 ASSY

TRANS1 ASSY has no service parts.

Mark	No.	Description	Part No.

AA PRIMARY ASSY

MISCELLANEOUS

⚠	IC 3061(A,299 ,119)	REGULATOR IC	NJM78M56FA
	Q 3061(B,281 ,82)	DIGITAL TR(SC-70)	RT1N431M
⚠	D 3061(B,296 ,103)	BRIDGE DIODE	S1WB(A)60SD
	D 3062(B,299 ,89)	DIODE	1SS355
	D 3063(B,308 ,89)	DIODE	UDZS5R1(B)
	D 3064(B,275 ,89)	DIODE	1SS355
	D 3065(B,275 ,82)	DIODE	1SS355
⚠	L 3063(A,244 ,46)	LINE FILTER	XTF3004
	H 3061(A,223 ,68)	FUSE CLIP	AKR7001
	H 3062(A,243 ,68)	FUSE CLIP	AKR7001
	KN3061(A,313 ,32)	WRAPPING TERMINAL	VNF1084
⚠	RY3061(A,271 ,80)	JOE LOWPOWER RELAY	XSR3003
⚠	T 3061(A,273 ,106)	STANDBY TRANSFORMER	ATT7040
⚠	CN3062(A,308 ,137)	9P SOCKET	KP200TA9L
	CN3063(A,246 ,137)	5P SOCKET	KP200TA5L
	CN3065(A,189 ,73)	AC SOCKET 1-P	AKP1034
⚠	3066	AC INLET ASSY	ADX7464

RESISTORS

	R 3062(B,303 ,89)		RS1/16S332J
	R 3063(A,279 ,95)	CARBON FILM RESISTOR	RD1/4MUF101J
	R 3064(B,305 ,89)		RS1/16S103J

CAPACITORS

⚠	C 3061(A,266 ,47)	FILM CAPACITOR	ACE7013
⚠	C 3062(A,251 ,74)		ACG7039
	C 3063(A,286 ,132)	FILM CAPACITOR	CQMBA103J50
	C 3064(B,291 ,115)		CKSRYB102K50
	C 3065(B,289 ,115)		CKSRYB102K50
	C 3066(B,294 ,110)		CKSRYB102K50
	C 3067(B,308 ,96)		CKSRYB102K50
	C 3068(A,305 ,105)	ELECT. CAPACITOR	CEAT332M25
	C 3069(A,317 ,134)		CEAT221M25
	C 3071(B,311 ,99)		CKSRYB103K50

AB VOLUME ASSY

MISCELLANEOUS

	S 3571(A,295 ,167)	ROTARY ENCODER	ASX7005
	S 3572(A,273 ,199)	SWITCH	VSG1024
	S 3573(A,293 ,199)	SWITCH	VSG1024
	S 3574(A,312 ,199)	SWITCH	VSG1024
	3571(A,266 ,185)	CABLE HOLDER(6P)	51063-0605

RESISTORS

	R 3574(B,285 ,200)		RS1/16S681J
	R 3575(B,302 ,200)		RS1/16S821J

CAPACITORS

	C 3572(B,300 ,172)		CKSRYB103K50
	C 3573(B,295 ,172)		CKSRYB103K50

AC DISPLAY ASSY (VSX-AX4AVi-S)

MISCELLANEOUS

	IC 3201(B,131 ,214)	DISPLAY U-COM	PE5503A
	IC 3202(A,17 ,221)	REMOTE RECEIVER UNIT	RPM7140-H9
	IC 3203(B,171 ,168)	LOGIC IC	CD4053BNS
	Q 3304(B,110 ,190)	DIGITAL TR(SC-70)	RT1N431M
	Q 3305(B,219 ,208)	DIGITAL TR(SC-70)	RT1N431M
	Q 3307(B,31 ,203)	DIGITAL TR(SC-70)	RT1N431M
	Q 3308(B,16 ,201)	DIGITAL TR(SC-70)	RT1N431M
	Q 3310(B,204 ,208)	DIGITAL TR(SC-70)	RT1N431M
	Q 3351(B,205 ,189)	DIGITAL TR(SC-70)	RT1N431M
	Q 3352(B,189 ,159)	DIGITAL TR(SC-70)	RT1N431M
	Q 3353(B,200 ,160)	TRANSISTOR	2SA1576A
	Q 3354(B,150 ,160)	CHIP TR (PNP X 2)	UMB1N
	Q 3355(B,176 ,159)	TRANSISTOR	UMH1N
	D 3314(A,121 ,195)	LED(BLUE)	SLR-343BBT(HJKL)
	D 3315(A,224 ,208)	LED(BLUE)	SLR-343BBT(HJKL)
	D 3317(A,31 ,208)	LED(ORANGE)	SLI-343DCW(STU)
	D 3318(A,16 ,206)	LED(RED)	SLI-343URW(RST)
	D 3320(A,208 ,206)	LED(RED)	SLI-343URW(RST)
	D 3352(B,180 ,172)	DIODE	DAN217
	D 3354(B,190 ,164)	DIODE	DAN202U
	D 3355(B,232 ,212)	DIODE	DAN202U
	D 3356(B,181 ,166)	DIODE	1SS355
	D 3358(B,192 ,159)	DIODE	1SS355
	D 3359(B,202 ,165)	DIODE	1SS355
	L 3301(B,232 ,227)	CHIP BEADS	VTL1083
	L 3351(A,234 ,218)	RADIAL INDUCTOR	LFEA2R2J
	V 3201(A,182 ,237)	FL TUBE	AAV7105
	S 3201(A,72 ,150)	SWITCH	VSG1024
	S 3202(A,82 ,140)	SWITCH	VSG1024
	S 3203(A,72 ,140)	SWITCH	VSG1024
	S 3204(A,62 ,140)	SWITCH	VSG1024
	S 3211(A,103 ,149)	SWITCH	VSG1024
	S 3212(A,103 ,130)	SWITCH	VSG1024
	S 3213(A,72 ,130)	SWITCH	VSG1024
	S 3214(A,41 ,130)	SWITCH	VSG1024
	S 3215(A,41 ,149)	SWITCH	VSG1024
	S 3216(A,26 ,149)	SWITCH	VSG1024
	S 3221(A,119 ,149)	SWITCH	VSG1024
	S 3222(A,134 ,149)	SWITCH	VSG1024
	S 3223(A,150 ,149)	SWITCH	VSG1024
	S 3224(A,165 ,149)	SWITCH	VSG1024
	S 3225(A,181 ,149)	SWITCH	VSG1024
	S 3226(A,196 ,149)	SWITCH	VSG1024
	S 3227(A,212 ,149)	SWITCH	VSG1024
	X 3201(A,148 ,197)	CERAMIC RESONATOR (6.60MHz)	VSS1142
	CN3201(A,212 ,161)	23P CONNECTOR	52044-2345
	3204(A,238 ,209)	CABLE HOLDER(6P)	51063-0605
	3203(A,7 ,165)	CABLE HOLDER(8P)	51063-0805
	3202(A,239 ,228)	6P CABLE HOLDER	51048-0600
	3201(A,121 ,201)	FL HOLDER(FE)	VNF1096

RESISTORS

	R 3201(B,77 ,159)		RS1/16S472J
	R 3202(B,82 ,144)		RS1/16S681J
	R 3203(B,78 ,144)		RS1/16S821J
	R 3204(B,70 ,144)		RS1/16S122J
	R 3205(B,57 ,141)		RS1/16S162J
	R 3211(B,108 ,158)		RS1/16S472J
	R 3212(B,103 ,140)		RS1/16S681J
	R 3213(B,90 ,130)		RS1/16S821J
	R 3214(B,60 ,130)		RS1/16S122J
	R 3215(B,41 ,139)		RS1/16S162J
	R 3216(B,36 ,149)		RS1/16S272J

Mark No.	Description	Part No.
R 3217(B,26 ,154)		RS1/16S512J
R 3221(B,119 ,158)		RS1/16S472J
R 3222(B,129 ,149)		RS1/16S681J
R 3223(B,137 ,150)		RS1/16S821J
R 3224(B,146 ,150)		RS1/16S122J
R 3225(B,176 ,149)		RS1/16S162J
R 3226(B,192 ,149)		RS1/16S272J
R 3227(B,207 ,153)		RS1/16S512J
R 3231(B,174 ,240)		RS1/16S473J
R 3232(B,172 ,240)		RS1/16S473J
R 3233(B,170 ,240)		RS1/16S473J
R 3234(B,168 ,240)		RS1/16S473J
R 3235(B,166 ,240)		RS1/16S473J
R 3236(B,164 ,240)		RS1/16S473J
R 3237(B,162 ,240)		RS1/16S473J
R 3238(B,160 ,240)		RS1/16S473J
R 3239(B,158 ,240)		RS1/16S473J
R 3240(B,156 ,240)		RS1/16S473J
R 3241(B,154 ,240)		RS1/16S473J
R 3242(B,152 ,240)		RS1/16S473J
R 3243(B,150 ,240)		RS1/16S473J
R 3244(B,148 ,240)		RS1/16S473J
R 3245(B,146 ,240)		RS1/16S473J
R 3246(B,144 ,240)		RS1/16S473J
R 3247(B,68 ,240)		RS1/16S104J
R 3248(B,70 ,240)		RS1/16S104J
R 3249(B,72 ,240)		RS1/16S104J
R 3250(B,74 ,240)		RS1/16S104J
R 3251(B,76 ,240)		RS1/16S104J
R 3252(B,78 ,240)		RS1/16S104J
R 3253(B,80 ,240)		RS1/16S104J
R 3254(B,82 ,240)		RS1/16S104J
R 3255(B,84 ,240)		RS1/16S104J
R 3256(B,86 ,240)		RS1/16S104J
R 3257(B,88 ,240)		RS1/16S104J
R 3258(B,90 ,240)		RS1/16S104J
R 3259(B,92 ,240)		RS1/16S104J
R 3260(B,94 ,240)		RS1/16S104J
R 3261(B,96 ,240)		RS1/16S104J
R 3262(B,98 ,240)		RS1/16S104J
R 3263(B,100 ,240)		RS1/16S104J
R 3264(B,102 ,240)		RS1/16S104J
R 3265(B,104 ,240)		RS1/16S104J
R 3266(B,106 ,240)		RS1/16S104J
R 3267(B,108 ,240)		RS1/16S104J
R 3268(B,110 ,240)		RS1/16S104J
R 3269(B,112 ,240)		RS1/16S104J
R 3270(B,114 ,240)		RS1/16S104J
R 3271(B,116 ,240)		RS1/16S104J
R 3272(B,118 ,240)		RS1/16S104J
R 3273(B,120 ,240)		RS1/16S104J
R 3274(B,122 ,240)		RS1/16S104J
R 3275(B,124 ,240)		RS1/16S104J
R 3276(B,126 ,240)		RS1/16S104J
R 3277(B,128 ,240)		RS1/16S104J
R 3278(B,130 ,240)		RS1/16S104J
R 3279(B,132 ,240)		RS1/16S104J
R 3280(B,134 ,240)		RS1/16S104J
R 3281(B,136 ,240)		RS1/16S104J
R 3282(B,138 ,240)		RS1/16S104J

Mark No.	Description	Part No.
R 3283(B,140 ,240)		RS1/16S104J
R 3304(B,117 ,192)		RS1/16S221J
R 3305(B,229 ,202)		RS1/16S391J
R 3307(B,34 ,203)		RS1/16S331J
R 3308(B,19 ,201)		RS1/16S331J
R 3310(B,216 ,200)		RS1/16S331J
R 3314(B,110 ,181)		RS1/16S0R0J
R 3321(B,167 ,206)		RS1/16S473J
R 3322(B,169 ,206)		RS1/16S473J
R 3323(B,168 ,211)		RS1/16S473J
R 3324(B,166 ,211)		RS1/16S473J
R 3325(B,149 ,206)		RS1/16S105J
R 3327(B,146 ,204)		RS1/16S104J
R 3328(B,131 ,193)		RS1/16S472J
R 3329(B,144 ,204)		RS1/16S0R0J
R 3330(B,153 ,190)		RS1/16S221J
R 3331(B,151 ,190)		RS1/16S221J
R 3332(B,150 ,187)		RS1/16S221J
R 3333(B,148 ,187)		RS1/16S221J
R 3334(B,128 ,193)		RS1/16S104J
R 3336(B,109 ,197)		RS1/16S473J
R 3337(B,90 ,206)		RS1/16S101J
R 3338(B,102 ,202)		RS1/16S104J
R 3339(B,96 ,211)		RS1/16S104J
R 3341(B,104 ,206)		RS1/16S474J
R 3343(B,104 ,202)		RS1/16S0R0J
R 3344(B,122 ,180)		RS1/16S221J
R 3345(B,94 ,211)		RS1/16S474J
R 3346(B,117 ,181)		RS1/16S221J
R 3347(B,93 ,198)		RS1/16S221J
R 3350(B,215 ,191)		RS1/16S0R0J
R 3351(B,193 ,211)		RS1/16S473J
R 3352(B,179 ,167)		RS1/16S223J
R 3353(B,185 ,167)		RS1/16S103J
R 3354(B,159 ,163)		RS1/16S392J
R 3355(B,205 ,184)		RS1/16S0R0J
R 3356(B,203 ,184)		RS1/16S0R0J
R 3357(B,201 ,184)		RS1/16S0R0J
R 3358(B,199 ,184)		RS1/16S0R0J
R 3359(B,203 ,179)		RS1/16S221J
R 3360(B,161 ,163)		RS1/16S103J
R 3361(B,197 ,160)		RS1/16S0R0J
R 3362(B,161 ,167)		RS1/16S0R0J
R 3363(B,159 ,166)		RS1/16S0R0J
R 3366(B,194 ,161)		RS1/16S472J
R 3367(B,202 ,156)		RS1/16S104J
R 3368(B,202 ,160)		RS1/16S104J
R 3369(B,194 ,165)		RS1/16S102J
R 3371(B,200 ,164)		RS1/16S103J
R 3372(B,205 ,160)		RS1/16S101J
R 3373(B,179 ,163)		RS1/16S0R0J
R 3374(B,179 ,159)		RS1/16S0R0J
R 3376(B,170 ,157)		RS1/16S0R0J
R 3377(B,101 ,213)		RS1/16S104J

CAPACITORS

C 3201(B,77 ,155)		CKSRYB102K50
C 3211(B,108 ,154)		CKSRYB102K50
C 3221(B,119 ,154)		CKSRYB102K50
C 3231(B,186 ,236)		CCSRCH471J50
C 3232(A,194 ,238)	ELECT. CAPACITOR	CEJQ101M35

Mark	No.	Description	Part No.
	C 3235(B,178 ,231)		CCSRCH471J50
	C 3236(B,176 ,231)		CCSRCH471J50
A	C 3237(B,174 ,231)		CCSRCH471J50
	C 3238(B,172 ,231)		CCSRCH471J50
	C 3239(B,169 ,231)		CCSRCH471J50
	C 3240(B,167 ,231)		CCSRCH471J50
	C 3241(B,165 ,231)		CCSRCH471J50
	C 3242(B,163 ,231)		CCSRCH471J50
	C 3243(B,159 ,231)		CCSRCH471J50
	C 3244(B,157 ,231)		CCSRCH471J50
	C 3245(B,155 ,231)		CCSRCH471J50
	C 3246(B,153 ,231)		CCSRCH471J50
	C 3247(B,150 ,231)		CCSRCH471J50
B	C 3248(B,148 ,231)		CCSRCH471J50
	C 3249(B,146 ,231)		CCSRCH471J50
	C 3250(B,144 ,231)		CCSRCH471J50
	C 3321(B,149 ,215)		CKSRYB103K50
	C 3322(B,67 ,229)		CKSRYB103K50
	C 3323(B,129 ,230)		CKSRYB103K50
	C 3326(B,143 ,200)		CKSRYB104K25
	C 3328(B,152 ,205)		CKSRYB104K25
	C 3330(B,125 ,193)		CKSRYB102K50
	C 3334(B,102 ,206)		CKSRYB103K50
	C 3335(A,89 ,194)	ELECT. CAPACITOR	CEJQ470M50
C	C 3353(B,164 ,158)		CKSRYB153K50
	C 3354(B,197 ,164)		CKSRYB103K50
	C 3355(B,11 ,229)		CKSRYB103K50
	C 3356(B,232 ,216)		CKSRYB103K50
	C 3359(A,8 ,227)		CEJQ101M6R3
	C 3360(A,194 ,224)		CEJQ221M6R3

AD INPUT SELECT ASSY

MISCELLANEOUS

	Q 3561(B,78 ,95)	DIGITAL TR(SC-70)	RT1N431M
D	D 3562(A,28 ,69)	LED(BLUE)	SLR-343BBT(HJKL)
	S 3561(A,95 ,86)	ROTARY ENCODER	ASX7047
	S 3562(A,64 ,103)	SWITCH	VSG1024
	S 3563(A,64 ,83)	SWITCH	VSG1024
	S 3564(A,35 ,65)	SWITCH	VSG1024
	S 3565(A,64 ,63)	SWITCH	VSG1024
	3561(A,79 ,106)	CABLE HOLDER(8P)	51063-0805

RESISTORS

R 3561(B,73 ,95)		RS1/16S391J
R 3563(B,59 ,106)		RS1/16S272J
E R 3564(B,59 ,87)		RS1/16S512J

CAPACITORS

C 3563(B,91 ,86)		CKSRYB103K50
C 3564(B,89 ,86)		CKSRYB103K50

AE PREOUT & CONTROL ASSY

MISCELLANEOUS

	IC 2931(A,192 ,118)	RS-232C TRANSCEIVER	MAX3232CPW
	IC 2932(B,167 ,69)	OP-AMP IC	BA4560RF
	Q 2801(A,197 ,14)	TRANSISTOR	IMX25
F	Q 2802(A,197 ,21)	TRANSISTOR	IMX25
	Q 2821(A,197 ,27)	TRANSISTOR	IMX25
	Q 2822(A,197 ,34)	TRANSISTOR	IMX25
	Q 2841(A,197 ,40)	TRANSISTOR	IMX25
	Q 2842(A,197 ,47)	TRANSISTOR	IMX25
	Q 2861(A,197 ,53)	TRANSISTOR	IMX25
	Q 2862(A,197 ,60)	TRANSISTOR	IMX25
	Q 2931(B,193 ,126)	TRANSISTOR	2SC4081
	Q 2952(A,182 ,96)	DIGITAL TR(SC-70)	RT1N431M
	D 2901(A,199 ,131)	DIODE	1SS355
	D 2931(B,203 ,121)	DIODE	1SS355
	D 2951(B,177 ,126)	DIODE	1SS355
	D 2952(A,170 ,98)	DIODE	1SS355
	D 2957(A,199 ,89)	DIODE	UDZS6R2(B)
	D 2958(A,193 ,84)	DIODE	UDZS6R2(B)
	D 2959(A,197 ,89)	DIODE	UDZS6R2(B)
	D 2960(A,193 ,86)	DIODE	UDZS6R2(B)
	L 2901(A,203 ,134)	CHIP SOLID INDUCTOR	QTL1013
	L 2902(A,203 ,133)	CHIP SOLID INDUCTOR	QTL1013
	L 2903(A,203 ,137)	CHIP SOLID INDUCTOR	QTL1013
	L 2904(A,203 ,136)	CHIP SOLID INDUCTOR	QTL1013
	L 2931(B,174 ,119)	CHIP SOLID INDUCTOR	QTL1013
	L 2933(B,170 ,119)	CHIP BEADS	VTL1083
	L 2934(A,169 ,129)	CHIP BEADS	VTL1083
	L 2935(B,189 ,130)	CHIP BEADS	VTL1083
	JA 2901(A,219 ,142)	MINI JACK(4P) /W SW	XKN3015
	CN2801(A,164 ,23)	26P CONNECTOR	52045-2645
	CN2802(A,165 ,135)	23P SOCKET	XKP3082
	CN2804(A,220 ,93)	20P SOCKET	AKP7202
	CN2805(A,220 ,23)	PIN JACK(4P)	AKB7172
	CN2806(A,220 ,51)	PIN JACK(4P)	AKB7172
	CN2931(A,220 ,119)	9P D-SUB SOCKET	AKP1213

RESISTORS

R 2801(B,203 ,14)		RS1/16S101J
R 2802(B,203 ,21)		RS1/16S101J
R 2803(B,197 ,14)		RS1/16S121J
R 2804(B,197 ,21)		RS1/16S121J
R 2805(B,191 ,14)		RS1/16S271J
R 2806(B,191 ,21)		RS1/16S271J
R 2807(A,202 ,16)		RS1/16S103J
R 2808(A,202 ,22)		RS1/16S103J
R 2809(A,193 ,16)		RS1/16S103J
R 2810(A,193 ,22)		RS1/16S103J
R 2821(B,203 ,27)		RS1/16S101J
R 2822(B,203 ,34)		RS1/16S101J
R 2823(B,197 ,27)		RS1/16S121J
R 2824(B,197 ,34)		RS1/16S121J
R 2825(B,191 ,27)		RS1/16S271J
R 2826(B,191 ,34)		RS1/16S271J
R 2827(A,202 ,29)		RS1/16S103J
R 2828(A,202 ,35)		RS1/16S103J
R 2829(A,193 ,29)		RS1/16S103J
R 2830(A,193 ,35)		RS1/16S103J
R 2841(B,203 ,40)		RS1/16S101J
R 2842(B,203 ,47)		RS1/16S101J
R 2843(B,197 ,40)		RS1/16S121J
R 2844(B,197 ,47)		RS1/16S121J
R 2845(B,191 ,40)		RS1/16S271J
R 2846(B,191 ,47)		RS1/16S271J
R 2847(A,202 ,42)		RS1/16S103J
R 2848(A,202 ,48)		RS1/16S103J
R 2849(A,193 ,42)		RS1/16S103J
R 2850(A,193 ,48)		RS1/16S103J

Mark No.	Description	Part No.
R 2861	(B,203 ,53)	RS1/16S101J
R 2862	(B,203 ,60)	RS1/16S101J
R 2863	(B,197 ,53)	RS1/16S121J
R 2864	(B,197 ,60)	RS1/16S121J
R 2865	(B,191 ,53)	RS1/16S271J
R 2866	(B,191 ,60)	RS1/16S271J
R 2867	(A,202 ,55)	RS1/16S103J
R 2868	(A,202 ,61)	RS1/16S103J
R 2869	(A,193 ,55)	RS1/16S103J
R 2870	(A,193 ,61)	RS1/16S103J
R 2931	(A,198 ,121)	RS1/16S101J
R 2932	(B,203 ,115)	RS1/16S101J
R 2933	(B,189 ,118)	RS1/16S101J
R 2934	(A,188 ,122)	RS1/16S101J
R 2935	(B,203 ,119)	RS1/16S224J
R 2936	(B,203 ,123)	RS1/16S474J
R 2937	(B,198 ,120)	RS1/16S103J
R 2938	(B,198 ,122)	RS1/16S224J
R 2939	(B,212 ,113)	RS1/16S0R0J
R 2951	(B,187 ,90)	RS1/16S104J
R 2952	(B,187 ,86)	RS1/16S104J
R 2953	(B,184 ,89)	RS1/16S331J
R 2954	(B,184 ,86)	RS1/16S331J
R 2957	(A,185 ,100)	RS1/16S514J
R 2959	(A,182 ,100)	RS1/16S393J
R 2962	(A,175 ,97)	RS1/16S0R0J
R 2965	(B,176 ,75)	RS1/16S472J
R 2966	(B,167 ,60)	RS1/16S472J
R 2967	(B,164 ,94)	RS1/16S104J
R 2968	(B,161 ,92)	RS1/16S104J
R 2969	(B,174 ,71)	RS1/16S472J
R 2970	(B,167 ,58)	RS1/16S472J
R 2971	(A,170 ,70)	RS1/16S103J
R 2972	(A,164 ,68)	RS1/16S103J
R 2973	(A,170 ,67)	RS1/16S103J
R 2974	(A,165 ,64)	RS1/16S103J
R 2975	(B,169 ,77)	RS1/16S101J
R 2976	(B,161 ,71)	RS1/16S101J
R 2996	(B,191 ,130)	RS1/16S0R0J

CAPACITORS

C 2801	(B,211 ,13)	CCSRCH331J50
C 2802	(B,210 ,17)	CCSRCH331J50
C 2821	(B,211 ,27)	CCSRCH331J50
C 2822	(B,210 ,31)	CCSRCH331J50
C 2841	(B,211 ,41)	CCSRCH331J50
C 2842	(B,210 ,45)	CCSRCH331J50
C 2861	(B,211 ,55)	CCSRCH331J50
C 2862	(B,210 ,59)	CCSRCH331J50
C 2891	(B,214 ,23)	CKSRYB103K50
C 2892	(B,214 ,51)	CKSRYB103K50
C 2903	(B,204 ,135)	CKSRYB104K16
C 2931	(B,207 ,128)	CKSRYB103K50
C 2933	(A,192 ,112)	CKSRYB105K10
C 2934	(A,192 ,122)	CKSRYB105K10
C 2935	(A,197 ,115)	CKSRYB473K25
C 2936	(A,197 ,118)	CKSRYB224K16
C 2937	(A,186 ,115)	CKSRYB103K50
C 2938	(A,177 ,115)	CEAT101M16
C 2939	(B,203 ,117)	CKSRYB103K50
C 2940	(B,198 ,124)	CCSRCH331J50
C 2951	(B,189 ,90)	CCSRCH101J50
C 2952	(B,189 ,86)	CCSRCH101J50
C 2953	(B,181 ,90)	CCSRCH101J50
C 2954	(B,181 ,86)	CCSRCH101J50
C 2955	(A,178 ,91)	CEAT100M50
C 2956	(A,178 ,85)	CEAT100M50
C 2957	(B,178 ,132)	CKSRYB103K50
C 2958	(B,209 ,84)	CKSRYB103K50
C 2961	(A,174 ,77)	CEAT100M50
C 2962	(A,182 ,77)	CEAT100M50
C 2967	(A,167 ,85)	CEAT100M50
C 2968	(A,161 ,78)	CEAT100M50
C 2969	(B,165 ,75)	CKSRYB103K50
C 2970	(B,167 ,73)	CKSRYB103K50
C 2973	(A,206 ,105)	CKSRYB103K50
C 2974	(A,205 ,105)	CKSRYB474K10
C 2975	(B,211 ,86)	CKSRYB474K10
C 2976	(B,211 ,88)	CKSRYB103K50

AF 1394 ASSY

MISCELLANEOUS

⚠IC 1	(A,42 ,38)	IC	NJM2391DL1-33
IC 101	(A,61 ,43)	MICROCOMPUTER	PD5787A
IC 103	(B,64 ,31)	RESET IC	PST9245
IC 104	(B,44 ,50)	LOGIC IC	SN74LV125APW
IC 201	(A,99 ,51)	IEEE1394 PHY LINK	TSB43CA42ZGW
IC 205	(B,71 ,60)	LOGIC IC	SN74AHC1G08DCK
IC 301	(B,100 ,26)	FLOW CONTROL IC	PD8112A
IC 302	(B,125 ,25)	IC	K4S641632H-TC75
IC 303	(A,116 ,27)	OP AMP IC	NJU7093AF
IC 401	(A,25 ,55)	DSD/PCM CONVERTER IC	SM5819AF
IC 404	(B,51 ,23)	LOGIC IC	SN74LVC1G125DCK
IC 405	(B,23 ,57)	IC	SN74LVC541APW
IC 409	(B,73 ,26)	LOGIC IC	SN74LVC1G126DCK
⚠IC 410	(A,27 ,45)	VOLTAGE REGULATOR	S-L2980A25MC-C6K
Q 101	(A,44 ,45)	DIGITAL TR(SC-70)	RT1P241M
Q 301	(B,115 ,28)	DIGITAL TR(SC-70)	RT1P241M
Q 401	(A,20 ,62)	DIGITAL TR(SC-70)	RT1P431M
D 102	(B,63 ,61)	CHIP DIODE	RB501V-40
L 1	(A,38 ,33)	CHIP SOLID INDUCTOR	ATL7002
L 101	(B,43 ,35)	CHIP SOLID INDUCTOR	ATL7002
L 201	(B,75 ,61)	CHIP SOLID INDUCTOR	ATL7002
L 202	(B,76 ,41)	CHIP SOLID INDUCTOR	ATL7002
L 203	(B,138 ,50)	CHIP SOLID INDUCTOR	ATL7002
⚠L 204	(A,132 ,61)	COIL	ATH7015
⚠L 205	(A,132 ,58)	COIL	ATH7015
⚠L 206	(A,133 ,36)	COIL	ATH7015
⚠L 207	(A,133 ,33)	COIL	ATH7015
L 301	(B,80 ,35)	CHIP SOLID INDUCTOR	ATL7002
L 302	(B,138 ,45)	CHIP SOLID INDUCTOR	ATL7002
L 401	(A,35 ,43)	CHIP SOLID INDUCTOR	ATL7002
L 403	(B,19 ,61)	CHIP SOLID INDUCTOR	ATL7002
L 404	(A,29 ,42)	CHIP SOLID INDUCTOR	ATL7002
L 405	(A,16 ,48)	CHIP SOLID INDUCTOR	ATL7002
JA201	(A,142 ,35)	1394-TERMINAL	VKN1800
JA202	(A,142 ,60)	1394-TERMINAL	VKN1800
X 101	(A,62 ,57)	CERAMIC RESONATOR	VSS1179

Mark	No.		Description	Part No.
			(6.14MHz)	
	X	201	(B,105 ,60) CRYSTAL RESONATOR (24.5760MHz)	ASS7055
	X	302	(A,86 ,35) CRYSTAL RESONATOR (22.5792MHz)	ASS7054
	CN101		(A,138 ,19) 07P CONNECTOR	RKN1048
	CN401		(A,79 ,15) 22P CONNECTOR	VKN1426
	CN402		(A,20 ,37) 10P CONNECTOR	VKN1414
	IC		FLASH MEMORY IC	MBM29LV400TC-90PFTN

RESISTORS

R	102	(B,69 ,51)	RS1/16S101J
R	103	(B,67 ,51)	RS1/16S472J
R	104	(A,69 ,56)	RS1/16S472J
R	106	(A,61 ,60)	RS1/16S472J
R	108	(A,56 ,56)	RS1/16S472J
R	109	(A,52 ,55)	RS1/16S101J
R	110	(A,50 ,51)	RS1/16S101J
R	111	(A,47 ,51)	RS1/16S101J
R	113	(B,71 ,53)	RS1/16S103J
R	114	(B,49 ,46)	RS1/16S103J
R	115	(A,47 ,53)	RS1/16S472J
R	116	(A,57 ,61)	RS1/16S101J
R	117	(A,49 ,45)	RS1/16S103J
R	118	(A,49 ,43)	RS1/16S101J
R	119	(A,49 ,40)	RAB4C101J
R	122	(B,44 ,40)	RAB4C103J
R	123	(A,49 ,38)	RS1/16S101J
R	124	(A,49 ,33)	RS1/16S103J
R	125	(A,49 ,36)	RS1/16S101J
R	126	(A,49 ,35)	RS1/16S101J
R	127	(A,52 ,31)	RAB4C101J
R	128	(A,56 ,31)	RAB4C101J
R	129	(A,61 ,31)	RAB4C101J
R	130	(A,65 ,31)	RAB4C101J
R	131	(A,76 ,64)	RS1/16S101J
R	132	(A,73 ,48)	RS1/16S472J
R	135	(A,73 ,43)	RAB4C472J
R	136	(A,73 ,39)	RAB4C472J
R	137	(A,73 ,36)	RAB4C472J
R	138	(A,73 ,32)	RAB4C472J
R	139	(B,54 ,33)	RS1/16S472J
R	140	(B,138 ,17)	RS1/16S103J
R	141	(B,138 ,18)	RS1/16S103J
R	142	(B,59 ,61)	RS1/16S0R0J
R	143	(A,42 ,52)	RS1/16S103J
R	144	(A,42 ,51)	RS1/16S470J
R	145	(A,42 ,47)	RS1/16S472J
R	146	(A,42 ,49)	RS1/16S470J
R	147	(A,42 ,53)	RS1/16S472J
R	148	(B,67 ,42)	RS1/16S101J
R	149	(B,66 ,40)	RS1/16S472J
R	151	(B,67 ,32)	RS1/16S0R0J
R	201	(A,112 ,40)	RS1/16S472J
R	202	(A,113 ,40)	RS1/16S472J
R	203	(A,111 ,46)	RS1/16S101J
R	204	(B,104 ,44)	RS1/16S101J
R	205	(B,125 ,46)	RAB4C101J
R	206	(A,116 ,37)	RAB4C472J
R	207	(B,104 ,50)	RS1/16S472J
R	208	(B,104 ,51)	RS1/16S472J
R	209	(B,111 ,61)	RS1/16S0R0J
R	210	(B,112 ,52)	RS1/16S0R0J
R	213	(A,107 ,61) CHIP RESISTOR	RS1/16S6341D
R	214	(B,98 ,57)	RS1/16S0R0J
R	215	(B,100 ,57)	RS1/16S0R0J
R	216	(B,97 ,63)	RAB4C472J
R	217	(A,76 ,57)	RS1/16S472J
R	218	(B,73 ,61)	RS1/16S472J
R	219	(A,76 ,63)	RS1/16S472J
R	220	(B,93 ,63)	RAB4C472J
R	221	(B,89 ,63)	RAB4C472J
R	222	(A,85 ,63)	RS1/16S472J
R	223	(B,98 ,59)	RAB4C472J
R	224	(B,85 ,62)	RS1/16S472J
R	225	(B,85 ,64)	RS1/16S472J
R	226	(A,80 ,61)	RS1/16S472J
R	227	(B,71 ,57)	RS1/16S472J
R	228	(B,85 ,57)	RS1/16S472J
R	229	(B,84 ,57)	RS1/16S472J
R	230	(A,86 ,54)	RAB4C101J
R	231	(A,81 ,53)	RAB4C101J
R	232	(B,85 ,49)	RAB4C101J
R	233	(B,81 ,48)	RAB4C101J
R	234	(A,84 ,45)	RAB4C472J
R	235	(B,89 ,47)	RS1/16S472J
R	236	(A,84 ,42)	RS1/16S472J
R	237	(A,84 ,41)	RS1/16S472J
R	238	(B,84 ,44)	RAB4C472J
R	239	(A,90 ,40)	RAB4C472J
R	240	(A,81 ,40)	RAB4C472J
R	241	(B,101 ,44)	RS1/16S101J
R	242	(A,77 ,40)	RS1/16S472J
R	243	(A,78 ,40)	RS1/16S472J
R	244	(A,98 ,39)	RS1/16S472J
R	245	(A,96 ,33)	RAB4C101J
R	246	(A,100 ,32)	RAB4C101J
R	247	(A,102 ,37)	RS1/16S472J
R	251	(A,110 ,40)	RS1/16S472J
R	252	(A,113 ,37)	RS1/16S101J
R	253	(B,87 ,56)	RS1/16S101J
R	254	(B,88 ,56)	RS1/16S101J
R	261	(B,123 ,42)	RS1/16S0R0J
R	262	(B,106 ,48)	RS1/16S0R0J
R	265	(A,112 ,43)	RS1/16S470J
R	266	(A,112 ,45)	RS1/16S470J
R	267	(B,117 ,63) CHIP RESISTOR	RS1/16S56R0D
R	268	(B,117 ,61) CHIP RESISTOR	RS1/16S56R0D
R	269	(B,117 ,56) CHIP RESISTOR	RS1/16S56R0D
R	270	(B,117 ,55) CHIP RESISTOR	RS1/16S56R0D
R	271	(B,117 ,59) CHIP RESISTOR	RS1/16S56R0D
R	272	(B,117 ,58) CHIP RESISTOR	RS1/16S56R0D
R	273	(B,117 ,53) CHIP RESISTOR	RS1/16S56R0D
R	274	(B,117 ,51) CHIP RESISTOR	RS1/16S56R0D
R	275	(B,120 ,59)	RS1/16S5101F
R	276	(B,120 ,51)	RS1/16S5101F
R	283	(A,136 ,28)	RS1/16S0R0J
R	284	(A,138 ,28)	RS1/16S0R0J
R	288	(B,109 ,61)	RS1/16S0R0J
R	289	(A,104 ,61)	RS1/16S101J
R	290	(A,103 ,64)	RS1/16S220J

Mark No.	Description	Part No.
R 291	(B,121 ,39)	RS1/16S0R0J
R 292	(A,120 ,37)	RS1/16S0R0J
R 294	(B,128 ,49)	RS1/16S0R0J
R 295	(A,135 ,46)	RS1/16S0R0J
R 301	(A,94 ,18)	RS1/16S470J
R 302	(A,89 ,22) RESISTOR ARRAY	RAB4C680J
R 303	(A,94 ,21)	RS1/16S680J
R 304	(A,94 ,22)	RS1/16S470J
R 305	(B,85 ,20)	RS1/16S220J
R 307	(B,85 ,28)	RS1/16S470J
R 308	(A,89 ,28)	RAB4C470J
R 309	(B,85 ,31)	RS1/16S470J
R 310	(B,85 ,33)	RS1/16S470J
R 311	(B,85 ,34)	RS1/16S0R0J
R 313	(B,85 ,36)	RS1/16S0R0J
R 325	(B,90 ,39)	RS1/16S470J
R 326	(A,91 ,36)	RS1/16S101J
R 327	(B,100 ,41)	RS1/16S0R0J
R 328	(A,77 ,37)	RS1/16S101J
R 329	(A,80 ,37)	RS1/16S103J
R 332	(A,106 ,33)	RS1/16S101J
R 333	(B,113 ,32)	RS1/16S101J
R 334	(A,116 ,32)	RS1/16S0R0J
R 335	(A,117 ,32)	RS1/16S0R0J
R 339	(A,115 ,19)	RAB4C470J
R 340	(A,111 ,17)	RAB4C470J
R 341	(A,107 ,20)	RS1/16S470J
R 342	(A,106 ,20)	RS1/16S470J
R 343	(B,115 ,17)	RAB4C470J
R 344	(A,126 ,16)	RAB4C470J
R 345	(A,103 ,19)	RAB4C470J
R 346	(A,103 ,24)	RAB4C470J
R 347	(A,99 ,19)	RAB4C470J
R 348	(A,96 ,15)	RS1/16S470J
R 349	(A,96 ,17)	RS1/16S470J
R 350	(A,99 ,24)	RAB4C470J
R 351	(A,117 ,24)	RS1/16S123J
R 352	(A,120 ,25)	RS1/16S271J
R 353	(A,117 ,22)	RS1/16S472J
R 354	(A,120 ,34)	RS1/16S223J
R 355	(A,120 ,32)	RS1/16S223J
R 356	(B,117 ,25)	RS1/16S0R0J
R 357	(A,110 ,25)	RS1/16S0R0J
R 401	(A,16 ,55)	RS1/16S680J
R 402	(A,17 ,53) RESISTOR ARRAY	RAB4C680J
R 403	(A,23 ,48)	RS1/16S101J
R 404	(A,33 ,49)	RS1/16S221J
R 405	(A,33 ,50)	RS1/16S221J
R 406	(A,33 ,51)	RS1/16S221J
R 407	(A,33 ,54)	RAB4C221J
R 411	(A,33 ,58)	RS1/16S101J
R 412	(A,30 ,63)	RS1/16S0R0J
R 418	(B,69 ,28)	RS1/16S101J
R 421	(A,69 ,20)	RS1/16S0R0J
R 422	(A,64 ,20)	RS1/16S0R0J
R 425	(B,75 ,23)	RS1/16S470J
R 426	(A,69 ,27)	RS1/16S0R0J
R 427	(A,65 ,27)	RS1/16S0R0J
R 428	(A,56 ,20)	RS1/16S0R0J
R 429	(A,54 ,20)	RS1/16S0R0J
R 432	(A,61 ,20)	RS1/16S0R0J
R 434	(A,60 ,20)	RS1/16S0R0J
R 436	(B,48 ,25)	RS1/16S221J
R 437	(A,52 ,20)	RS1/16S101J
R 441	(B,29 ,60)	RS1/16S101J
R 442	(B,17 ,60)	RS1/16S101J
R 443	(B,17 ,58)	RS1/16S101J
R 444	(B,16 ,56)	RS1/16S101J
R 445	(B,20 ,51)	RAB4C101J
R 454	(B,71 ,20)	RS1/16S0R0J
R 456	(B,51 ,28)	RS1/16S0R0J

CAPACITORS

C 1	(A,38 ,36)	CKSRYB104K16
C 2	(A,42 ,27)	CEVW101M16
C 101	(B,67 ,45)	CKSRYB103K50
C 102	(A,61 ,53)	CKSRYB104K16
C 103	(B,46 ,31)	CEVW101M16
C 104	(B,52 ,32)	CKSRYB104K16
C 105	(A,58 ,31)	CKSRYB104K16
C 106	(B,67 ,48)	CKSRYB104K16
C 107	(B,138 ,20)	CKSRYB104K16
C 108	(B,42 ,53)	CKSRYB104K16
C 109	(B,57 ,58)	CKSRYB104K16
C 110	(B,69 ,33)	CKSRYB104K16
C 111	(B,60 ,30)	CKSRYB103K50
C 113	(B,58 ,32)	CKSRYB102K50
C 201	(B,104 ,48)	CKSRYB104K16
C 202	(B,107 ,50)	CKSRYB104K16
C 203	(B,110 ,52)	CKSRYB104K16
C 204	(B,105 ,54)	CKSRYB104K16
C 205	(B,105 ,53)	CKSRYB104K16
C 206	(B,77 ,56)	CEVW101M16
C 207	(B,81 ,59)	CKSRYB104K16
C 209	(A,106 ,61)	CKSRYB104K16
C 210	(B,105 ,64)	CKSRYB104K16
C 211	(B,105 ,63)	CKSRYB102K50
C 212	(B,100 ,55)	CKSRYB104K16
C 213	(B,99 ,55)	CKSRYB102K50
C 214	(A,101 ,61)	CKSRYB104K16
C 215	(B,100 ,64)	CKSRYB102K50
C 216	(A,99 ,64)	CKSRYB102K50
C 217	(B,73 ,45)	CEVW101M16
C 218	(B,77 ,49)	CKSRYB104K16
C 219	(B,94 ,52)	CKSRYB104K16
C 220	(B,94 ,49)	CKSRYB104K16
C 221	(B,94 ,51)	CKSRYB104K16
C 222	(A,88 ,46)	CKSRYB104K16
C 223	(B,99 ,46)	CKSRYB104K16
C 224	(B,100 ,46)	CKSRYB104K16
C 225	(A,101 ,40)	CKSRYB104K16
C 226	(A,110 ,41)	CKSRYB104K16
C 232	(B,133 ,51)	CEVW101M16
C 235	(B,131 ,56)	CKSRYB104K16
C 241	(B,71 ,63)	CKSRYB104K16
C 242	(B,120 ,61)	CCSRCH221J50
C 243	(B,120 ,53)	CCSRCH221J50
C 244	(B,120 ,63)	CKSRYB105K6R3
C 245	(B,120 ,56)	CKSRYB105K6R3

Mark	No.		Description	Part No.
	C	246 (A,138 ,48)		CKSRYB104K16
	C	247 (A,138 ,47)		CKSRYB104K16
	C	248 (A,85 ,64)		CKSRYB104K16
	C	249 (B,95 ,56)		CKSRYB104K16
	C	301 (B,86 ,16)		CKSRYB104K16
	C	302 (B,85 ,24)		CKSRYB104K16
	C	303 (B,85 ,30)		CKSRYB104K16
	C	304 (B,75 ,33)		CEVW101M16
	C	305 (B,80 ,32)		CKSRYB104K16
	C	309 (A,87 ,31)		CKSRYB104K16
	C	310 (A,87 ,32)		CKSRYB102K50
	C	311 (B,93 ,39)		CKSRYB104K16
	C	315 (B,103 ,40)		CKSRYB104K16
	C	316 (B,113 ,37)		CKSRYB104K16
	C	317 (B,115 ,26)		CKSRYB104K16
	C	318 (B,115 ,24)		CKSRYB104K16
	C	319 (B,114 ,20)		CKSRYB104K16
	C	320 (A,99 ,15)		CKSRYB104K16
	C	321 (B,132 ,44)		CEVW101M16
	C	322 (B,133 ,25)		CKSRYB104K16
	C	323 (B,133 ,18)		CKSRYB104K16
	C	324 (B,117 ,21)		CKSRYB102K50
	C	325 (B,123 ,38)		CKSRYB104K16
	C	326 (A,120 ,30)		CKSRYB105K6R3
	C	327 (A,113 ,28)		CKSRYB104K16
	C	328 (A,120 ,27)		CKSRYB474K10
	C	329 (A,120 ,28)	ELECT. CAPACITOR	DCH1201
	C	330 (A,120 ,23)		CKSRYB472K50
	C	333 (A,122 ,16)		CKSRYB104K16
	C	401 (A,33 ,37)		CEVW101M16
	C	402 (A,33 ,43)		CCSRCH471J50
	C	404 (A,26 ,48)		CKSRYB104K16
	C	405 (A,24 ,61)		CKSRYB104K16
	C	408 (A,18 ,56)		CKSRYB104K16
	C	409 (A,29 ,48)		CKSRYB104K16
	C	410 (A,29 ,61)		CKSRYB104K16
	C	411 (A,18 ,59)		CKSRYB104K16
	C	412 (A,21 ,48)		CKSRYB104K16
	C	415 (B,51 ,20)		CKSRYB104K16
	C	416 (B,21 ,61)		CKSRYB104K16
	C	419 (A,78 ,24)		CEVW101M16
	C	420 (A,79 ,19)		CKSRYB104K16
	C	424 (B,73 ,24)		CKSRYB104K16
	C	427 (A,30 ,44)		CKSRYB104K16
	C	428 (A,19 ,44)		CEVW101M16

AG HDMI ASSY

MISCELLANEOUS

IC	101	(A,56 ,65) HDMI RECEIVER	SII9031CTU
IC	151	(A,25 ,63) EEPROM	BR24L02FV-W
IC	152	(A,32 ,83) LOGIC IC	SN74CBT3306CPW
IC	161	(A,33 ,40) LOGIC(MULTIPLEXER)	SN74LV4052APW
IC	171	(A,34 ,63) EEPROM	BR24L02FV-W
IC	172	(A,24 ,40) LOGIC IC	SN74CBT3306CPW
IC	201	(A,79 ,40) IC	SN74LVC541APW
IC	301	(A,52 ,29) HDMI TRANSMITER	SII9030CTU
IC	401	(A,139 ,75) VIDEO DECODER IC	ADV7400AKSTZ-80
IC	452	(A,108 ,83) IC	SN74LVC541APW

Mark	No.		Description	Part No.
	IC	453 (A,115 ,73)	IC	SN74LVC541APW
	IC	454 (A,110 ,68)	LOGIC IC	SN74LVC1G125DCK
	IC	501 (B,91 ,69)	CPU	PEG118A
	IC	502 (A,91 ,68)	FLASH ROM	AYW7078
	IC		FLASH MEMORY(4M)	MBM29LV400TC-70PFTN
	IC	504 (A,96 ,50)	LOGIC IC	SN74LV125APW
	IC	601 (A,156 ,38)	VIDEO FILTER IC	FMS6403MTC
	IC	602 (B,159 ,34)	VIDEO SW IC	MM1503XN
	IC	701 (A,133 ,44)	VIDEO ENCODER IC	ADV7172KSTZ
	IC	801 (B,144 ,41)	DVD VIDEO AMP IC	MM1623BF
⚠	IC	901 (B,103 ,39)	REGULATOR IC	BD7802FP
⚠	IC	902 (B,93 ,37)	IC	NJM2885DL1-18
⚠	IC	903 (B,113 ,39)	REGULATOR IC	BD7802FP
⚠	IC	904 (B,122 ,55)	REGULATOR IC	MM1561JF
⚠	IC	911 (B,70 ,38)	REGULATOR IC	PQ200WNA1ZPH
	Q	101 (A,61 ,84)	NMOS FET TRANSISTOR	UM6K1N
	Q	151 (A,19 ,87)	CHIP TRANSISTOR	DTC114YUA
	Q	152 (B,28 ,83)	CHIP TRANSISTOR	DTC114YUA
	Q	153 (A,29 ,63)	NMOS FET TRANSISTOR	UM6K1N
	Q	171 (A,19 ,65)	CHIP TRANSISTOR	DTC114YUA
	Q	172 (B,25 ,42)	CHIP TRANSISTOR	DTC114YUA
	Q	173 (A,28 ,42)	NMOS FET TRANSISTOR	UM6K1N
	Q	351 (B,28 ,33)	CHIP TR (PNP X 2)	UMB1N
	Q	352 (B,31 ,29)	CHIP TRANSISTOR	DTC114YUA
	Q	353 (A,28 ,15)	NMOS FET TRANSISTOR	UM6K1N
	Q	911 (A,82 ,50)	TRANSISTOR	2SA1576A
	Q	912 (B,78 ,30)	TRANSISTOR	RT1N241M
	Q	913 (B,83 ,30)	CHIP TRANSISTOR	DTC114YUA
	D	151 (B,24 ,80)	DIODE	DAN202U
	D	171 (B,24 ,54)	DIODE	DAN202U
	D	381 (A,37 ,21)	DIODE	UDZS5R1(B)
	D	551 (A,84 ,54)	CHIP DIODE	RB501V-40
	L	101 (A,70 ,88)	CHIP BEADS	ATL7010
	L	103 (A,85 ,83)	CHIP BEADS	ATL7010
	L	104 (A,39 ,90)	CHIP BEADS	ATL7010
	L	302 (B,53 ,25)	CHIP BEADS	ATL7010
	L	304 (A,67 ,46)	CHIP BEADS	ATL7010
	L	305 (A,44 ,42)	CHIP BEADS	ATL7010
⚠	L	351 (A,26 ,24)	COIL	ATH7022
⚠	L	352 (A,26 ,27)	COIL	ATH7022
⚠	L	353 (A,26 ,30)	COIL	ATH7022
⚠	L	354 (A,26 ,33)	COIL	ATH7022
	L	401 (A,118 ,81)	CHIP BEADS	ATL7010
	L	402 (A,159 ,63)	CHIP BEADS	ATL7010
	L	501 (A,82 ,86)	CHIP BEADS	ATL7010
	L	701 (A,117 ,57)	CHIP BEADS	ATL7010
	L	702 (A,149 ,41)	CHIP BEADS	ATL7010
	X	101 (A,60 ,48)	CRYSTAL RESONATOR (27MHz)	ASS7066
	X	401 (A,135 ,61)	CRYSTAL RESONATOR (28.63636MHz)	ASS7067
	X	501 (A,101 ,59)	CERAMIC RESONATOR (15.7MHz)	XSS3004
	CN101	(A,16 ,77)	HDMI CONNECTOR	AKN7040
	CN102	(A,16 ,54)	HDMI CONNECTOR	AKN7040
	CN301	(A,16 ,31)	HDMI CONNECTOR	AKN7040
	CN501	(A,17 ,13)	07P CONNECTOR	RKN1048
	CN1001	(A,71 ,21)	CONNECTOR	CKS4668
	CN1002	(A,103 ,21)	CONNECTOR	CKS4668

RESISTORS

Mark	No.		Description	Part No.
R	101	(A,52 ,83)	RESISTOR ARRAY	RAB4CQ100J
R	102	(A,67 ,80)	RESISTOR ARRAY	RAB4CQ470J
R	103	(A,50 ,79)		RS1/16S100J
R	104	(B,52 ,77)		RS1/16S100J
R	105	(A,47 ,79)		RS1/16S103J
R	106	(A,49 ,79)		RS1/16S103J
R	107	(B,53 ,69)		RS1/16S750J
R	108	(B,56 ,69)		RS1/16S750J
R	109	(B,58 ,69)		RS1/16S750J
R	111	(B,49 ,49)		RS1/16S101J
R	112	(B,51 ,53)		RS1/16S470J
R	113	(B,52 ,61)		RS1/16S680J
R	114	(B,62 ,53)		RS1/16S472J
R	115	(A,71 ,49)		RS1/16S472J
R	117	(B,53 ,53)		RS1/16S330J
R	118	(A,61 ,51)		RS1/16S105J
R	119	(A,67 ,49)		RS1/16S471J
R	120	(B,63 ,59)		RS1/16S221J
R	121	(A,67 ,50)		RS1/16S221J
R	122	(B,54 ,61)		RS1/16S470J
R	123	(B,55 ,53)		RS1/16S100J
R	124	(A,58 ,51)		RS1/16S152J
R	125	(A,52 ,46)	RESISTOR ARRAY	RAB4CQ680J
R	126	(A,71 ,74)	RESISTOR ARRAY	RAB4CQ680J
R	127	(A,71 ,71)	RESISTOR ARRAY	RAB4CQ680J
R	128	(A,71 ,67)	RESISTOR ARRAY	RAB4CQ470J
R	129	(A,71 ,64)	RESISTOR ARRAY	RAB4CQ470J
R	130	(A,71 ,58)	RESISTOR ARRAY	RAB4CQ470J
R	131	(A,71 ,55)	RESISTOR ARRAY	RAB4CQ470J
R	132	(A,71 ,61)		RS1/16S330J
R	133	(A,65 ,86)		RS1/16S103J
R	134	(A,58 ,83)		RS1/16S103J
R	135	(A,65 ,83)		RS1/16S103J
R	136	(A,58 ,86)		RS1/16S103J
R	137	(A,64 ,86)		RS1/16S104J
R	138	(A,57 ,83)		RS1/16S104J
R	151	(B,28 ,64)		RS1/16S100J
R	152	(B,26 ,64)		RS1/16S100J
R	153	(B,24 ,64)		RS1/16S101J
R	154	(B,28 ,60)		RS1/16S103J
R	155	(B,26 ,60)		RS1/16S103J
R	156	(B,24 ,60)		RS1/16S103J
R	157	(B,21 ,80)		RS1/16S473J
R	158	(A,29 ,66)		RS1/16S472J
R	159	(A,29 ,61)		RS1/16S472J
R	160	(B,33 ,84)		RS1/16S103J
R	161	(B,19 ,80)		RS1/16S102J
R	163	(B,48 ,81)		RS1/16S473J
R	164	(B,54 ,77)		RS1/16S473J
R	165	(B,36 ,41)		RS1/16S102J
R	166	(B,37 ,46)		RS1/16S102J
R	171	(B,38 ,64)		RS1/16S100J
R	172	(B,35 ,64)		RS1/16S100J
R	173	(B,33 ,64)		RS1/16S101J
R	174	(B,38 ,60)		RS1/16S103J
R	175	(B,35 ,60)		RS1/16S103J
R	176	(B,33 ,60)		RS1/16S103J
R	177	(B,18 ,43)		RS1/16S473J
R	178	(A,28 ,45)		RS1/16S472J
R	179	(A,28 ,39)		RS1/16S472J

Mark	No.		Description	Part No.
R	181	(B,20 ,56)		RS1/16S102J
R	201	(A,86 ,42)		RS1/16S470J
R	202	(A,86 ,40)		RS1/16S470J
R	203	(A,86 ,39)		RS1/16S470J
R	204	(A,84 ,35)	RESISTOR ARRAY	RAB4CQ470J
R	205	(A,79 ,35)		RS1/16S470J
R	303	(B,57 ,39)		RS1/16S100J
R	306	(B,47 ,39)		RS1/16S101J
R	312	(B,51 ,30)	CHIP RESISTOR	RS1/16S4750F
R	313	(A,43 ,36)		RS1/16S472J
R	314	(B,49 ,22)		RS1/16S100J
R	315	(B,45 ,22)		RS1/16S100J
R	316	(B,42 ,20)		RS1/16S471J
R	318	(B,56 ,21)		RS1/16S472J
R	325	(B,59 ,26)		RS1/16S330J
R	326	(A,48 ,39)		RS1/16S100J
R	327	(A,46 ,39)		RS1/16S100J
R	331	(A,60 ,42)	RESISTOR ARRAY	RAB4CQ473J
R	332	(A,75 ,61)		RS1/16S473J
R	333	(A,75 ,74)	RESISTOR ARRAY	RAB4CQ473J
R	334	(A,75 ,71)	RESISTOR ARRAY	RAB4CQ473J
R	335	(A,75 ,67)	RESISTOR ARRAY	RAB4CQ473J
R	336	(A,75 ,64)	RESISTOR ARRAY	RAB4CQ473J
R	337	(A,75 ,58)	RESISTOR ARRAY	RAB4CQ473J
R	338	(A,75 ,55)	RESISTOR ARRAY	RAB4CQ473J
R	351	(B,29 ,18)		RS1/16S472J
R	352	(B,31 ,34)		RS1/16S472J
R	353	(B,29 ,22)		RS1/16S272J
R	354	(B,33 ,34)		RS1/16S272J
R	355	(A,25 ,15)		RS1/16S472J
R	356	(A,31 ,15)		RS1/16S472J
R	386	(A,20 ,19)		RS1/16S473J
R	389	(B,21 ,11)		RS1/16S102J
R	403	(B,131 ,73)		RS1/16S330J
R	404	(B,128 ,73)		RS1/16S330J
R	405	(A,125 ,71)		RS1/16S330J
R	406	(A,127 ,77)	RESISTOR ARRAY	RAB4CQ470J
R	407	(A,127 ,68)	RESISTOR ARRAY	RAB4CQ560J
R	408	(A,130 ,64)		RS1/16S560J
R	409	(A,130 ,63)		RS1/16S560J
R	410	(B,134 ,64)		RS1/16S103J
R	411	(B,137 ,64)		RS1/16S100J
R	412	(A,141 ,63)		RS1/16S560J
R	413	(A,143 ,63)		RS1/16S560J
R	414	(B,144 ,65)		RS1/16S132J
R	415	(B,142 ,65)		RS1/16S391J
R	416	(A,137 ,64)		RS1/16S105J
R	417	(A,134 ,64)		RS1/16S101J
R	418	(B,142 ,72)		RS1/16S272J
R	419	(B,140 ,72)		RS1/16S272J
R	420	(A,148 ,66)		RS1/16S103J
R	423	(A,140 ,87)		RS1/16S330J
R	424	(A,141 ,87)		RS1/16S330J
R	425	(B,137 ,83)		RS1/16S103J
R	426	(B,145 ,85)		RS1/16S471J
R	428	(A,136 ,87)	RESISTOR ARRAY	RAB4CQ470J
R	451	(A,104 ,65)		RS1/16S330J
R	452	(A,102 ,81)	RESISTOR ARRAY	RAB4CQ680J
R	453	(A,102 ,84)	RESISTOR ARRAY	RAB4CQ680J
R	454	(A,109 ,73)	RESISTOR ARRAY	RAB4CQ680J

Mark	No.		Description	Part No.
	R	455 (A,109 ,76)	RESISTOR ARRAY	RAB4CQ680J
	R	456 (A,122 ,75)	RESISTOR ARRAY	RAB4CQ473J
	R	457 (A,122 ,71)	RESISTOR ARRAY	RAB4CQ473J
A	R	458 (A,115 ,84)	RESISTOR ARRAY	RAB4CQ473J
	R	459 (A,115 ,81)	RESISTOR ARRAY	RAB4CQ473J
	R	460 (A,117 ,61)	RESISTOR ARRAY	RAB4CQ473J
	R	491 (B,154 ,61)		RS1/10S0R0J
	R	492 (B,151 ,61)		RS1/10S0R0J
	R	506 (A,104 ,57)		RS1/16S221J
	R	508 (B,102 ,59)		RS1/16S472J
	R	511 (B,111 ,55)		RS1/16S101J
	R	517 (B,99 ,50)		RS1/16S101J
	R	520 (A,103 ,54)		RS1/16S103J
	R	524 (B,91 ,50)		RS1/16S100J
B	R	525 (B,89 ,50)		RS1/16S100J
	R	526 (B,86 ,50)		RS1/16S100J
	R	527 (B,84 ,50)		RS1/16S100J
	R	528 (B,70 ,50)		RS1/16S470J
	R	529 (B,77 ,57)		RS1/16S473J
	R	530 (B,91 ,45)		RS1/16S222J
	R	531 (B,89 ,45)		RS1/16S222J
	R	533 (B,87 ,45)		RS1/16S472J
	R	534 (B,81 ,50)		RS1/16S472J
	R	537 (B,110 ,71)		RS1/16S101J
	R	538 (B,111 ,75)		RS1/16S101J
C	R	539 (B,107 ,79)		RS1/16S101J
	R	540 (A,101 ,49)		RS1/16S470J
	R	541 (A,90 ,49)		RS1/16S103J
	R	542 (A,90 ,50)		RS1/16S470J
	R	543 (A,90 ,53)		RS1/16S472J
	R	544 (A,90 ,52)		RS1/16S470J
	R	546 (B,79 ,50)		RS1/16S101J
	R	549 (B,80 ,57)		RS1/16S473J
	R	551 (A,84 ,75)		RS1/16S473J
	R	561 (B,104 ,59)		RS1/16S103J
	R	562 (B,111 ,59)		RS1/16S103J
D	R	564 (B,104 ,55)		RS1/16S103J
	R	565 (B,111 ,50)		RS1/16S103J
	R	566 (B,109 ,50)		RS1/16S103J
	R	567 (B,104 ,50)		RS1/16S103J
	R	568 (A,97 ,91)		RS1/16S103J
	R	569 (A,79 ,60)		RS1/16S103J
	R	571 (B,18 ,15)		RS1/16S103J
	R	586 (B,113 ,73)		RS1/16S103J
	R	588 (B,94 ,45)		RS1/16S103J
	R	594 (A,90 ,43)		RS1/16S0R0J
E	R	703 (A,128 ,38)		RS1/16S103J
	R	704 (A,128 ,35)		RS1/16S103J
	R	705 (A,130 ,36)		RS1/16S103J
	R	706 (A,132 ,36)		RS1/16S103J
	R	707 (A,138 ,36)		RS1/16S1201F
	R	708 (A,138 ,34)		RS1/16S1201F
	R	709 (A,135 ,36)		RS1/16S470J
	R	710 (A,136 ,36)		RS1/16S470J
	R	714 (A,138 ,53)		RS1/16S470J
	R	715 (A,127 ,52)		RS1/16S470J
	R	716 (A,131 ,54)		RS1/16S471J
F	R	717 (A,137 ,53)		RS1/16S103J
	R	718 (A,143 ,56)		RS1/16S1201F
	R	719 (A,143 ,57)		RS1/16S1201F
	R	720 (A,130 ,55)		RS1/16S103J
	R	722 (A,130 ,57)		RS1/16S103J
	R	733 (A,142 ,52)		RS1/16S1500F
	R	734 (A,145 ,52)		RS1/16S0R0J
	R	737 (A,142 ,48)		RS1/16S1500F
	R	738 (A,145 ,48)		RS1/16S0R0J
	R	741 (A,142 ,45)		RS1/16S1500F
	R	742 (A,145 ,45)		RS1/16S0R0J
	R	745 (A,142 ,43)		RS1/16S1500F
	R	746 (A,145 ,43)		RS1/16S0R0J
	R	749 (A,143 ,38)		RS1/16S1500F
	R	750 (A,143 ,35)		RS1/16S0R0J
	R	753 (A,141 ,38)		RS1/16S1500F
	R	754 (A,141 ,35)		RS1/16S0R0J
	R	802 (B,145 ,57)		RS1/16S103J
	R	811 (B,138 ,28)		RS1/10S75R0F
	R	812 (B,141 ,28)		RS1/10S75R0F
	R	813 (B,135 ,28)		RS1/10S75R0F
	R	814 (B,144 ,28)		RS1/10S75R0F
	R	815 (B,147 ,28)		RS1/10S75R0F
	R	816 (B,150 ,28)		RS1/10S75R0F
	R	911 (A,78 ,48)		RS1/10S6R8J
	R	912 (A,78 ,50)		RS1/10S6R8J
	R	914 (B,80 ,33)		RS1/16S103J
	R	915 (B,68 ,28)		RS1/16S2001F
	R	916 (B,70 ,28)		RS1/16S1801F
	R	918 (A,80 ,48)		RS1/16S102J
	R	919 (B,80 ,29)		RS1/16S103J
	R	1001(A,107 ,32)		RS1/10S0R0J
	R	1002(A,95 ,33)		RS1/10S100J
	R	1003(A,149 ,26)		RS1/10S0R0J
	R	1004(A,149 ,28)		RS1/10S0R0J
	R	1102(A,68 ,84)		RS1/10S0R0J
	R	1105(A,43 ,79)		RS1/10S0R0J
	R	1107(B,60 ,53)		RS1/16S0R0J
	R	1108(B,61 ,59)		RS1/16S0R0J
	R	1301(B,43 ,35)		RS1/10S0R0J
	R	1403(A,142 ,91)		RS1/10S0R0J
	R	1404(A,146 ,63)		RS1/10S0R0J

CAPACITORS

	C	101 (A,46 ,79)	CKSRYB105K10
	C	102 (A,52 ,79)	CKSRYB104K16
	C	103 (A,54 ,79)	CKSRYB104K16
	C	104 (A,55 ,79)	CKSRYB104K16
	C	105 (A,57 ,80)	CKSRYB104K16
	C	106 (A,58 ,80)	CKSRYB104K16
	C	107 (A,60 ,80)	CKSRYB104K16
	C	109 (A,63 ,80)	CKSRYB104K16
	C	110 (A,64 ,80)	CKSRYB104K16
	C	112 (A,76 ,89)	CEVW101M16
	C	115 (A,80 ,81)	CEVW101M16
	C	116 (B,46 ,74)	CKSRYB105K10
	C	117 (A,43 ,77)	CKSRYB105K10
	C	118 (B,49 ,70)	CKSRYB104K16
	C	119 (B,46 ,70)	CKSRYB104K16
	C	120 (B,49 ,66)	CKSRYB104K16
	C	121 (B,46 ,66)	CKSRYB105K10
	C	122 (B,49 ,60)	CKSRYB104K16
	C	123 (B,45 ,60)	CKSRYB104K16
	C	124 (B,45 ,56)	CKSRYB104K16

Mark	No.	Description	Part No.
C	125 (A,39 ,84)		CEVW101M16
C	126 (A,46 ,50)		CKSRYB104K16
C	127 (A,47 ,50)		CKSRYB104K16
C	128 (A,49 ,50)		CKSRYB104K16
C	129 (A,68 ,53)		CKSRYB104K16
C	130 (A,52 ,50)		CKSRYB104K16
C	131 (A,54 ,50)		CKSRYB104K16
C	132 (A,56 ,50)		CKSRYB104K16
C	133 (B,58 ,53)		CKSRYB104K16
C	134 (B,58 ,59)		CKSRYB104K16
C	135 (A,67 ,47)		CKSRYB103K50
C	136 (A,65 ,51)		CKSRYB103K50
C	137 (A,58 ,45)		CCSRCH120J50
C	138 (A,61 ,45)		CCSRCH100D50
C	139 (B,67 ,72)		CKSRYB104K16
C	140 (B,67 ,68)		CKSRYB104K16
C	141 (B,69 ,68)		CKSRYB104K16
C	142 (B,67 ,63)		CKSRYB104K16
C	143 (B,66 ,59)		CKSRYB104K16
C	144 (A,64 ,83)		CKSRYB103K50
C	145 (A,57 ,86)		CKSRYB103K50
C	151 (A,22 ,65)		CKSRYB104K16
C	153 (A,33 ,86)		CKSRYB104K16
C	161 (A,31 ,45)		CKSRYB104K16
C	171 (A,32 ,64)		CKSRYB104K16
C	173 (A,23 ,45)		CKSRYB104K16
C	191 (A,49 ,47)		CKSRYB104K16
C	192 (A,44 ,82)		CKSRYB103K50
C	201 (A,80 ,44)		CKSRYB104K16
C	301 (A,57 ,39)		CKSRYB104K16
C	302 (A,51 ,39)		CKSRYB104K16
C	303 (A,49 ,39)		CKSRYB104K16
C	304 (B,49 ,26)		CKSRYB104K16
C	305 (B,53 ,30)		CKSRYB105K10
C	308 (B,49 ,30)		CKSRYB104K16
C	311 (B,45 ,35)		CKSRYB104K16
C	312 (A,58 ,20)		CKSRYB105K10
C	313 (B,51 ,22)		CKSRYB104K16
C	314 (A,50 ,20)		CKSRYB104K16
C	315 (B,40 ,20)		CKSRYB103K50
C	316 (A,67 ,41)		CEVW101M16
C	317 (A,39 ,42)		CEVW101M16
C	318 (B,56 ,30)		CKSRYB105K10
C	319 (B,59 ,32)		CKSRYB104K16
C	351 (B,20 ,33)		CKSRYB104K16
C	391 (A,39 ,37)		CKSRYB104K16
C	392 (A,42 ,49)		CKSRYB103K50
C	401 (A,122 ,82)		CEVW101M16
C	402 (A,127 ,80)		CKSRYB104K16
C	403 (A,127 ,75)		CKSRYB104K16
C	404 (A,127 ,72)		CKSRYB104K16
C	405 (A,139 ,63)		CKSRYB104K16
C	406 (A,145 ,64)		CKSRYB104K16
C	407 (B,146 ,65)	CHIP CAPACITOR	CKSRYB823K25
C	408 (B,139 ,65)		CKSRYB103K50
C	409 (A,133 ,58)		CCSRCH100D50
C	410 (A,137 ,58)		CCSRCH8R0D50
C	411 (A,144 ,87)		CKSRYB104K16
C	412 (A,143 ,87)		CKSRYB102K50
C	413 (B,141 ,81)		CKSRYB104K16
C	415 (B,141 ,77)		CKSRYB104K16
C	417 (B,147 ,77)		CKSRYB103K50
C	418 (B,149 ,77)		CKSRYB104K16
C	419 (B,152 ,76)	ELECT. CAPACITOR	DCH1201
C	420 (B,154 ,74)		CKSRYB104K16
C	421 (A,150 ,75)		CKSRYB104K16
C	422 (A,154 ,74)		CKSRYB104K16
C	423 (A,150 ,73)		CKSRYB104K16
C	424 (B,147 ,73)		CKSRYB103K50
C	425 (B,149 ,73)		CKSRYB104K16
C	426 (B,152 ,71)	ELECT. CAPACITOR	DCH1201
C	427 (B,154 ,70)		CKSRYB104K16
C	434 (A,150 ,80)		CEVW100M16
C	435 (A,158 ,74)		CEVW100M16
C	436 (A,154 ,68)		CEVW101M16
C	437 (B,147 ,85)		CKSRYB103K50
C	438 (A,138 ,87)		CKSRYB104K16
C	439 (A,149 ,88)		CEVW101M16
C	452 (A,107 ,78)		CKSRYB104K16
C	453 (A,115 ,69)		CKSRYB104K16
C	454 (A,112 ,67)		CKSRYB104K16
C	501 (A,104 ,59)		CKSRYB103K50
C	502 (A,99 ,63)		CKSRYB104K16
C	503 (A,89 ,89)		CEVW101M16
C	505 (B,105 ,79)		CKSRYB104K16
C	506 (B,80 ,78)		CKSRYB104K16
C	507 (A,95 ,47)		CKSRYB104K16
C	551 (A,91 ,80)		CKSRYB104K16
C	552 (A,92 ,55)		CKSRYB104K16
C	571 (A,22 ,11)		CKSRYB104K16
C	601 (A,151 ,41)		CKSRYB104K16
C	602 (A,152 ,46)		CEVW101M16
C	603 (A,152 ,30)		CKSRYB104K16
C	604 (A,154 ,30)		CKSRYB104K16
C	605 (A,155 ,30)		CKSRYB104K16
C	606 (A,158 ,30)		CKSRYB104K16
C	607 (A,160 ,30)		CKSRYB104K16
C	608 (B,160 ,39)		CKSRYB104K16
C	609 (B,160 ,28)		CKSRYB105K10
C	610 (B,158 ,28)		CKSRYB105K10
C	611 (A,160 ,37)		CKSRYB104K16
C	701 (A,126 ,49)		CKSRYB104K16
C	702 (A,126 ,40)		CKSRYB104K16
C	703 (A,123 ,58)		CEVW101M16
C	704 (A,138 ,37)		CKSRYB104K16
C	705 (A,133 ,36)		CKSRYB104K16
C	706 (A,142 ,53)		CKSRYB104K16
C	707 (A,142 ,50)		CKSRYB104K16
C	708 (A,142 ,46)		CKSRYB104K16
C	709 (A,142 ,41)		CKSRYB104K16
C	710 (A,147 ,34)		CEVW101M16
C	711 (A,132 ,52)		CKSRYB103K50
C	712 (A,142 ,54)		CKSRYB104K16
C	713 (A,128 ,52)		CKSRYB104K16
C	714 (A,148 ,39)		CKSRYB105K10
C	801 (A,152 ,53)		CEVW101M16
C	802 (B,133 ,39)		CKSRYB104K16
C	804 (B,135 ,53)		CKSRYB104K16
C	805 (B,138 ,53)		CKSRYB105K10
C	806 (B,140 ,53)		CKSRYB105K10

Mark	No.	Description	Part No.
	C 807	(B,143 ,53)	CKSRYB104K16
	C 808	(B,147 ,53)	CKSRYB105K10
A	C 809	(B,150 ,53)	CKSRYB104K16
	C 810	(B,152 ,53)	CKSRYB104K16
	C 811	(A,152 ,60)	CEVW101M16
	C 901	(B,105 ,30)	CKSRYB105K10
	C 902	(B,101 ,30)	CKSQYB225K10
	C 904	(B,97 ,30)	CKSRYB105K10
	C 905	(B,88 ,33) CHIP CERAMIC C.	DCG1028
	C 907	(B,118 ,34)	CKSRYB105K10
	C 908	(B,109 ,30)	CKSQYB225K10
	C 910	(B,117 ,57)	CKSRYB105K10
	C 911	(B,117 ,52)	CCSRCH471J50
B	C 912	(B,122 ,48)	CKSQYB225K10
	C 915	(B,75 ,29)	CKSRYB224K16
	C 916	(B,75 ,33)	CKSQYB105K16
	C 917	(B,65 ,39)	CKSRYB104K16
	C 918	(A,72 ,33)	CEVW101M16
	C 1001	(A,100 ,27)	CKSRYB104K16
	C 1002	(A,101 ,31)	CEVW101M16

•FM/AM TUNER MODULE

FM/AM TUNER MODULE has no service parts.

C

D

E

F

6. ADJUSTMENT

There is no information to be shown in this chapter.

7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 TEST MODE

■ Version indication

[Purpose]

The versions for various microcomputers and DSP firmware are displayed.

[How to enter/exit]

During Standby mode, simultaneously press and hold the STANDBY/ON and STANDARD SURROUND keys for 5 seconds to enter this mode. This mode is automatically exited when the indications of all versions have finished.

[Basic operations]

FL Display	Description of Version Indications	Duration (sec.)	Devices that can be considered generally normal, with the corresponding indications
POWER OFF ↓			
M1.000 F1.000	Mx.xxx : Main microcomputer Fx.xxx : Display microcomputer	5	Main microcomputer and display microcomputer
↓			
D1.000 H1.000	Dx.xxx : DSP microcomputer Hx.xxx : HDMI microcomputer	5	DSP microcomputer and HDMI microcomputer
↓			
HOST 00	HOST microcomputer (only VSX-AX4AVi-S)	5	HOST microcomputer for iLINK connection
↓			
f1.000 s1.000	fx.xxx : 1st DSP firmware sx.xxx : 2nd DSP firmware	5	1st DSP firmware : Flash ROM (IC105) near the DSP IC 2nd DSP firmware : Flash ROM within the DSP IC (IC201)
↓			
Normal display			

[Notes]

1. If the version indication becomes "**," a failure in communications between the corresponding microcomputers or a failure in the corresponding microcomputers is likely.
2. In this submode, the user settings will not be cleared.

■ Detected protection history

[Purpose]

The numbers of detections for various protection processes are displayed.

[How to enter/exit]

During Standby mode, simultaneously press and hold the ADVANCED SURROUND and "↑" (TUNE +) keys for 5 seconds to enter this mode. This mode is automatically exited when all the indications have finished.

[Basic operations]

FL Display	Description of Indications	Duration (sec.)
POWER OFF ↓		
DC : 000	Number of DC detections	3
↓		
OVER: 010	Number of overload detections	3
↓		
CON : 002	Number of detections of cord disconnection (DC and OL DET line) (simultaneous detections of DC and OVERLOAD)	3
↓		
FAN : 002	Number of detections of fan abnormalities	3
↓		
TEMP: 255	Number of detections of abnormal temperature	3
↓		
Normal display		

[Description]

When the keys are pressed, the numbers of DC detections, overload detections, detections of connectors disconnection inside unit (It is detected by both DC and OVERLOAD detections.), detections of fan abnormalities, and detections of abnormal temperature are displayed for 3 seconds each, in that order.
The maximum value of each detections is 255.

■ Error indications when an abnormality in the amplifier system is detected

[Purpose]

An error message is displayed when an abnormality in the amplifier system is detected.

[Error Messages]

FL Display	Status	Duration (sec.)
AMP ERROR	When AMP DC is detected	Flashes 3 times.
FAN STOP	When stopping of the fan is detected	Flashes 3 times.
OVERHEAT	When a thermal shutdown (abnormal temperature), etc. is detected	Flashes 3 times.
12V TRG ERR	When the 12-V trigger circuit is short-circuited	Flashes

[Description]

AMP ERROR : After a failure in the amplifier block or high DC output is detected, the shutdown process starts, then the power will be shut off. Then the MCACC LED will flash. The power cannot be turned on again. If you wish to turn on the unit after a shutdown activated by DC detection, enter Test mode, by proceeding with the steps described in "How to enter release mode" below.

FAN STOP : The fan does not function.

OVERHEAT : The temperature of the amplifier is abnormally high.

12V TRG ERR : The 12-V trigger output is short-circuited.

After a failure is detected, the shutdown process starts, then the power will be off. The power can be turned on again in Normal mode.

[How to enter release mode]

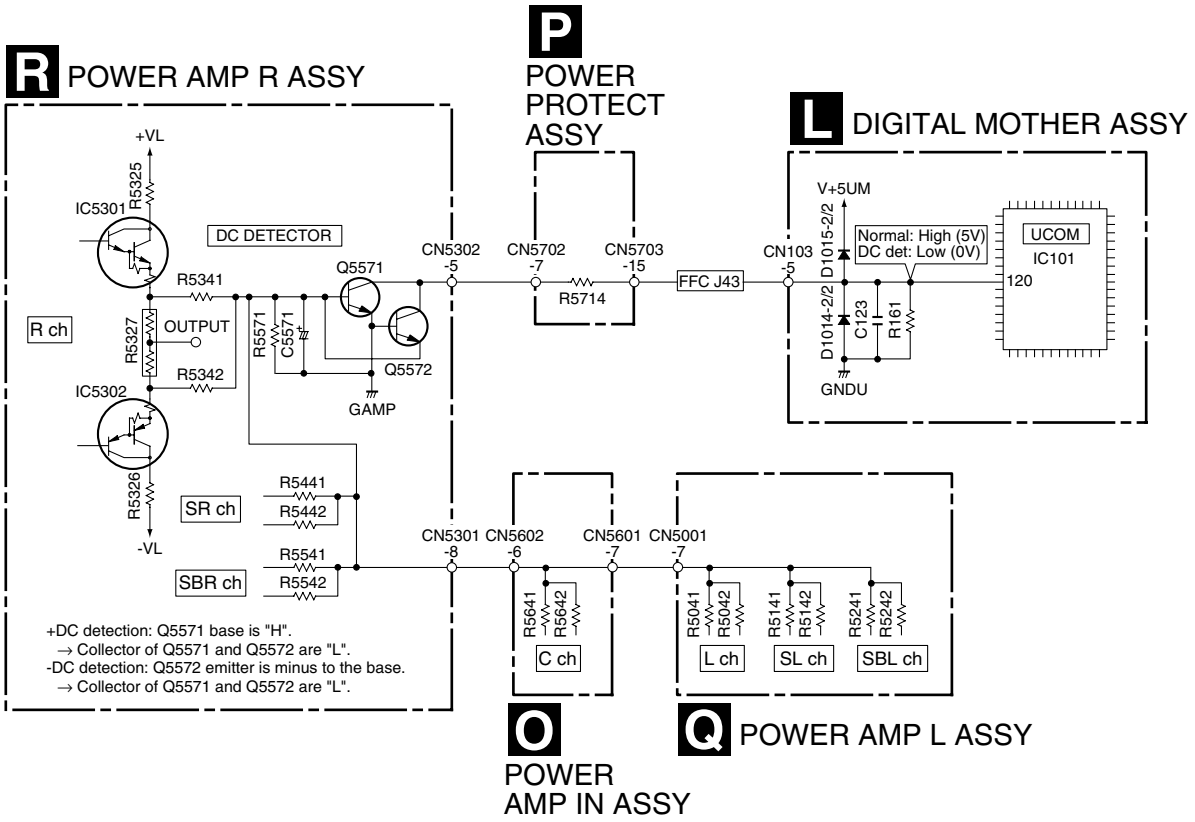
Press and hold "ADVANCED SURROUND" and "ENTER" keys on the front panel simultaneously for 5 seconds in standby mode.

7.1.2 PROTECTION CIRCUIT SPECIFICATION

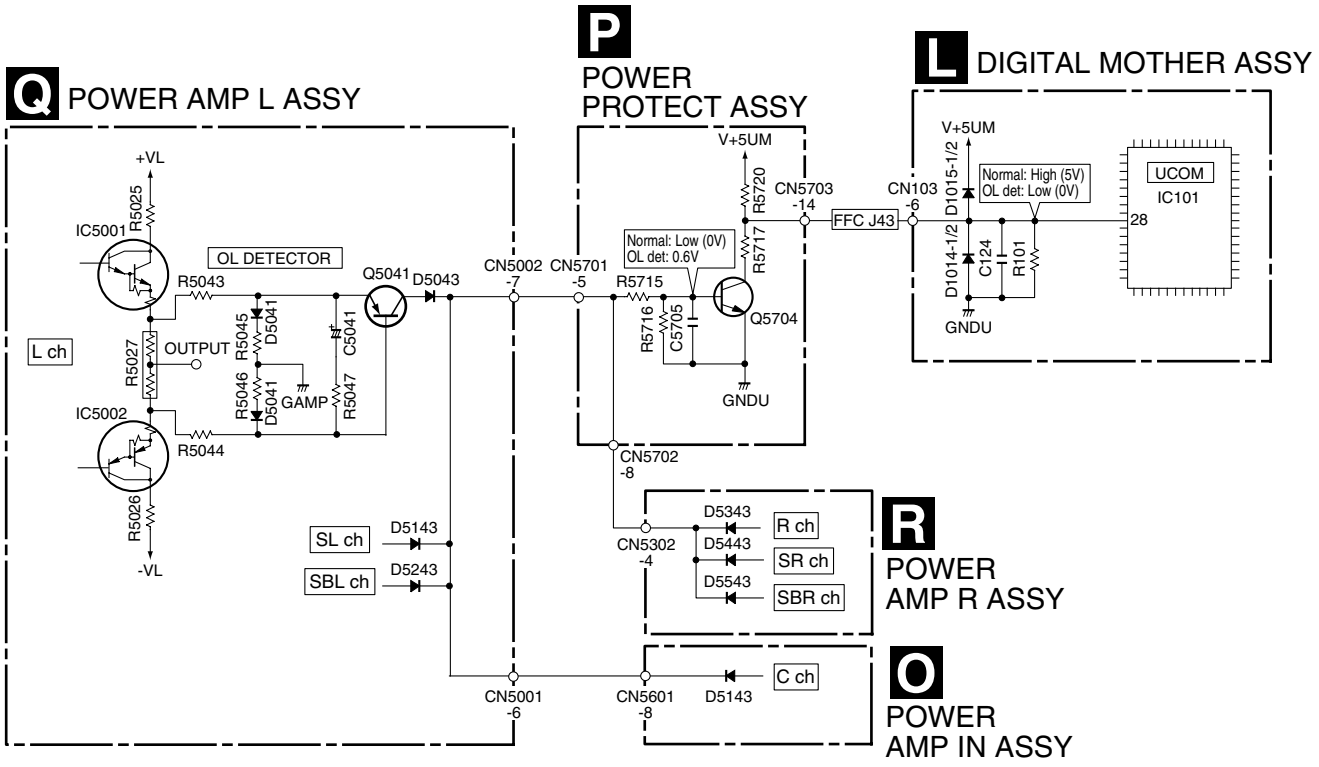
● Protection Circuit Process List

Item	Purpose	Detection Method	Process	Warning Indication	Remarks
DC detection	To detect amplifier damage (defect status) A process to protect speakers (for protection of connected external devices)	Detects when the DC_PROTECT port becomes "L". (Pin 120 of IC101)	Turns muting on and speaker relay off, then turns off the power after 3 seconds. Then flashes MCACC indicator.	Flashing "AMP ERR" for 3 seconds.	Once detected and turned the power off, input a key never again. If the DC_DET port becomes "L" within 3 seconds, the unit returns to normal condition automatically.
AMP overload	To detect overloading (abnormal status) With low-load driving or a short circuit of the speaker terminals (for protection of the amplifier)	Detects when the OL_DET port becomes "L" (checks by interrupt). (Pin 28 of IC101)	Turns muting on and speaker relay off, and immediately turns off the power. Then flashes PHASE CONTROL indicator.	None	
Overheat detection	Self reset type protection feature by temperature-rise of heat sink	Detects when the TEMP2 port becomes "H" . (Pin 44 of IC3201)	Turns muting on and speaker relay off, then turns off the power after 3 seconds.	Flashing "OVERHEAT" for 3 seconds.	If the TEMP2 port becomes "L" within 3 seconds, the unit returns to normal condition automatically.
12V trigger failure detection	To detect the shortcircuit of 12V trigger output (load more than 50mA) (for protection of the amplifier)	Detects when the 12VDET port becomes "H" . (Pin 41 of IC3201)	Turns 12V trigger output to off.	Flashing "12V TRG ERR" for 3 seconds.	Continue showing warning. Release the FL indication by switching the INPUT SEL or the turns the power off.

● DC Detection Circuit



● OL (Over Load) Detection Circuit



7.1.3 TROUBLESHOOTING THE DSP BLOCK

■ Simplified diagnosis

Herein is described how to easily diagnose a defective part in the DSP Assy, only with operations of the main unit.

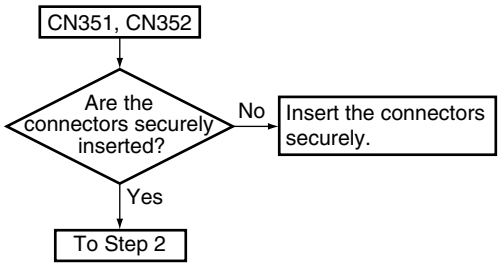
- **Is the DSP Assy a cause of the problem?**
  Input a digital PCM signal (CD, etc.) and check if the sound is output, by switching AUTO SURR/STREAM DIRECT.
  If the sound is output in PURE DIRECT (PCM DIRECT) mode but not in AUTO SURR or DIRECT mode, the DSP Assy may be defective.

- **If the sound is not output when Sound Delay is ON**
  If the sound is output without a problem when Sound Delay is OFF (0.0 fr) but an abnormality in the sound is detected when Sound Delay is ON (0.1 - 6.0 fr), it is most likely that SRAM (IC106) or DECODER IC (IC104) in the 1st DSP block is in failure.

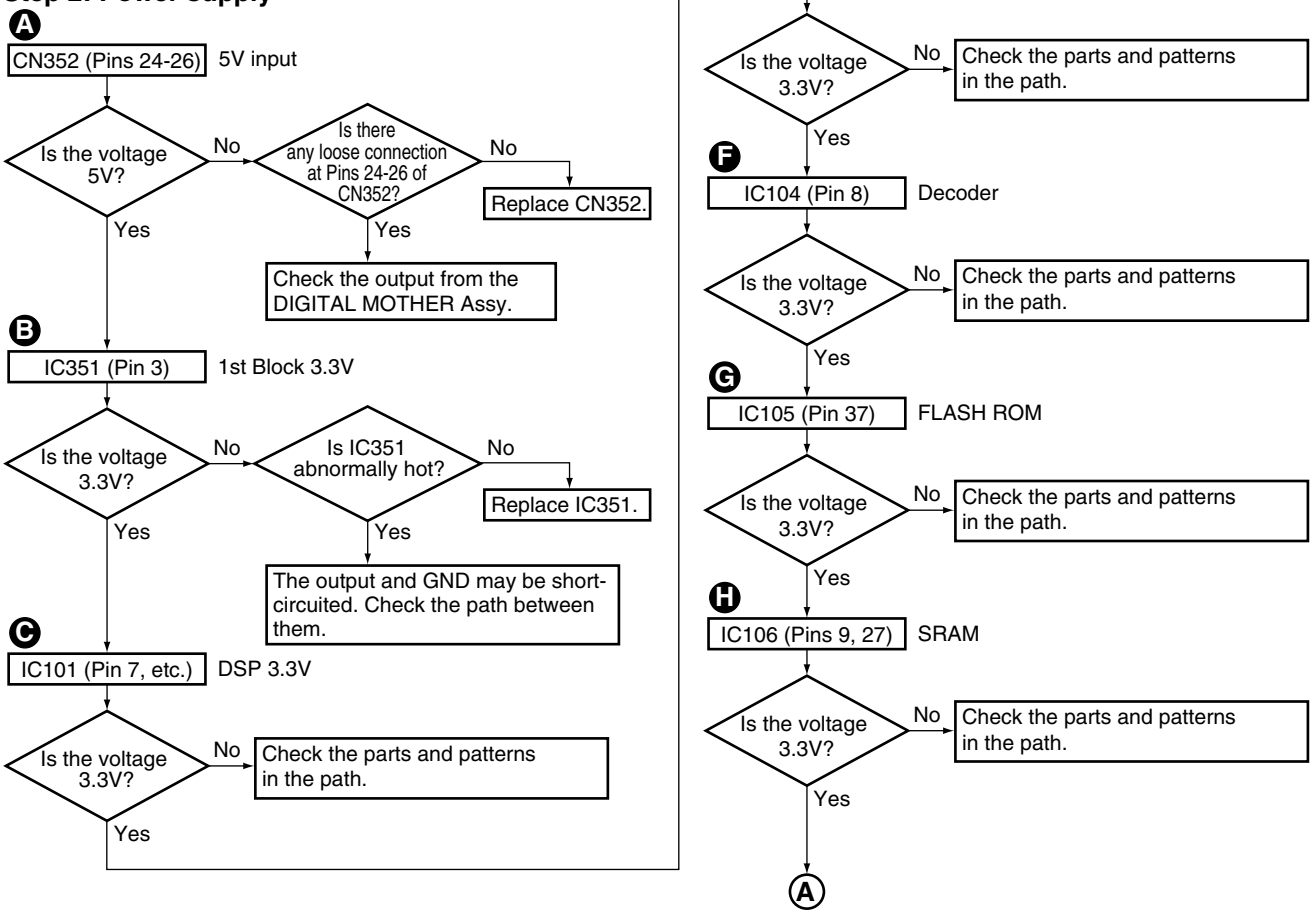
■ Troubleshooting

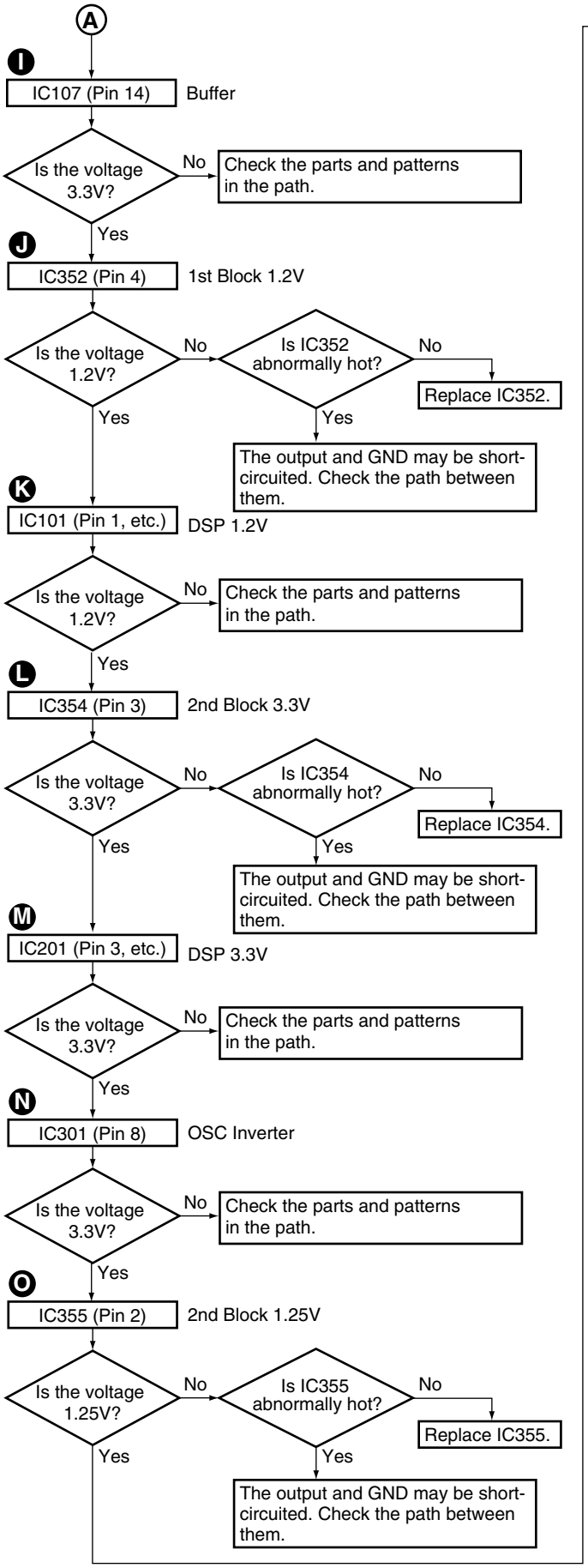
- It is assumed that there is no loose connection or damage in the LCRs.
- Refer to "DSP Block Diagram" and "DSP Assy check point" as the parts marked Ⓐ to Ⓦ in the troubleshooting are located.

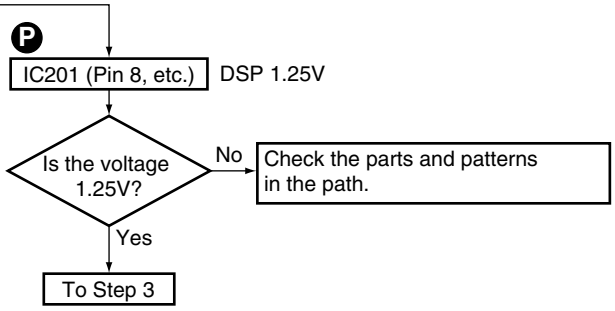
Step 1: Connections



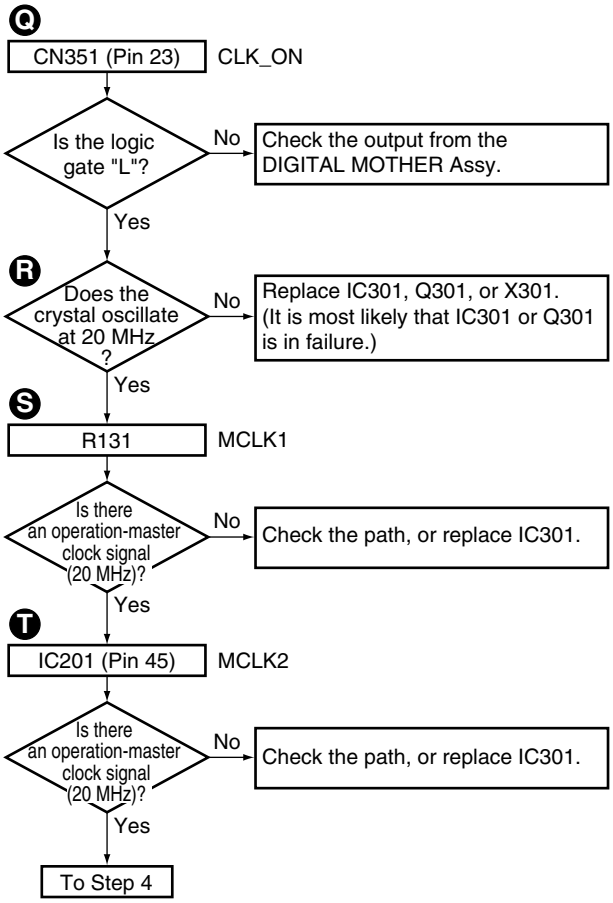
Step 2: Power supply



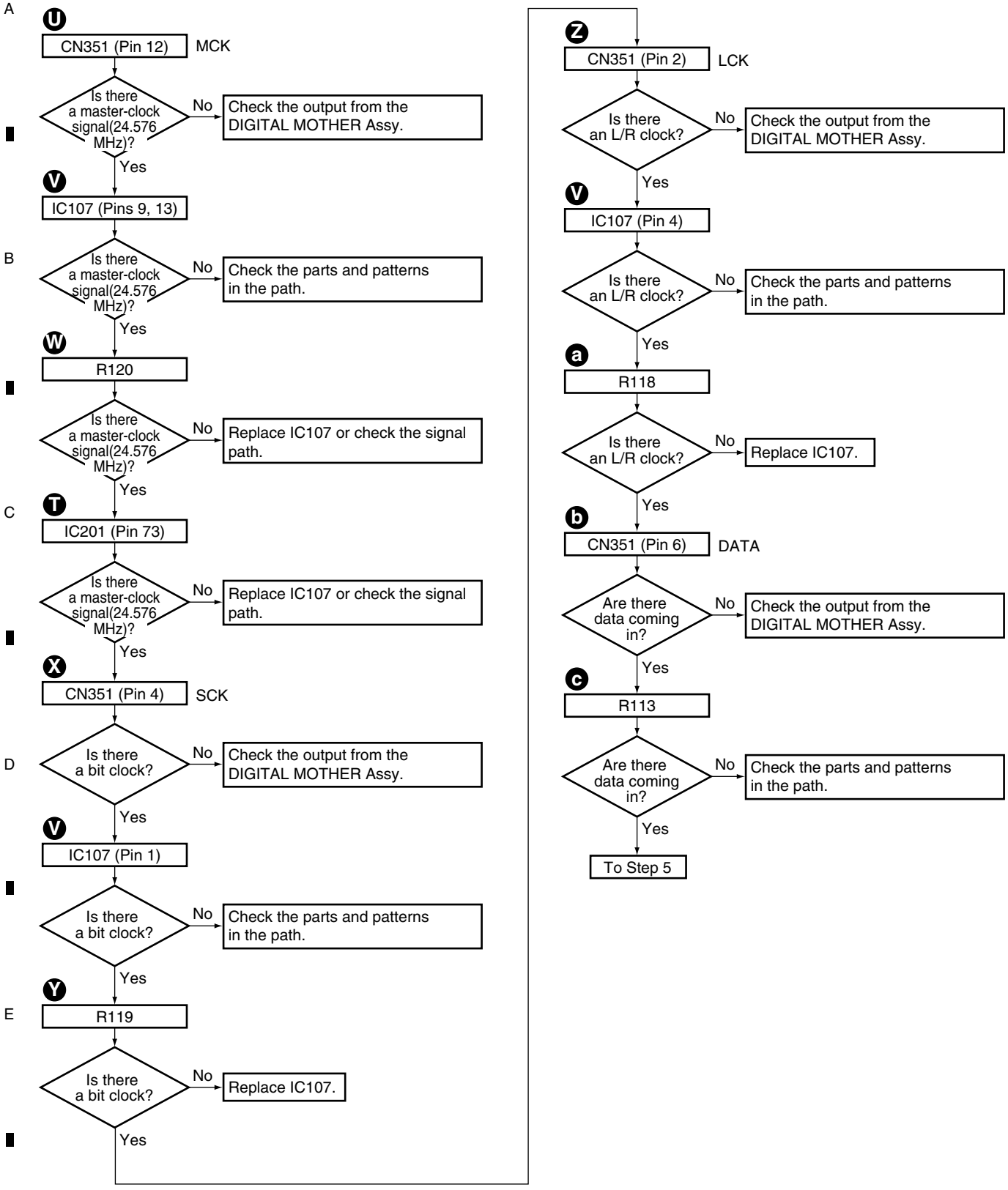




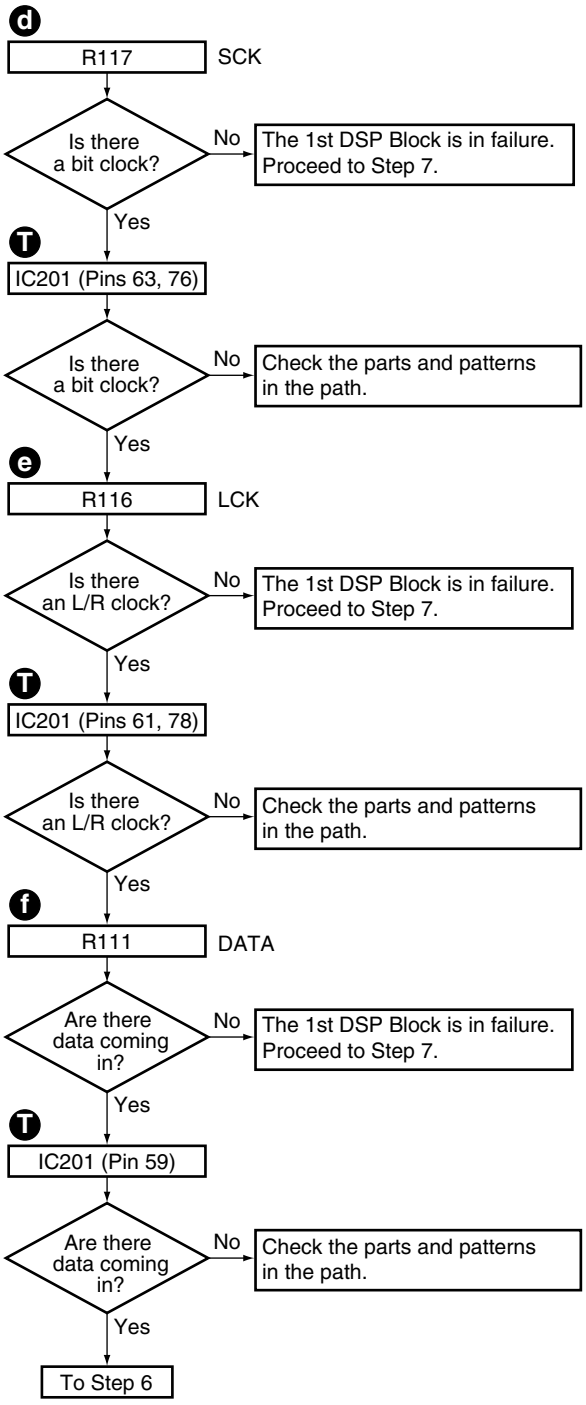
Step 3: Operation of the Master Clock



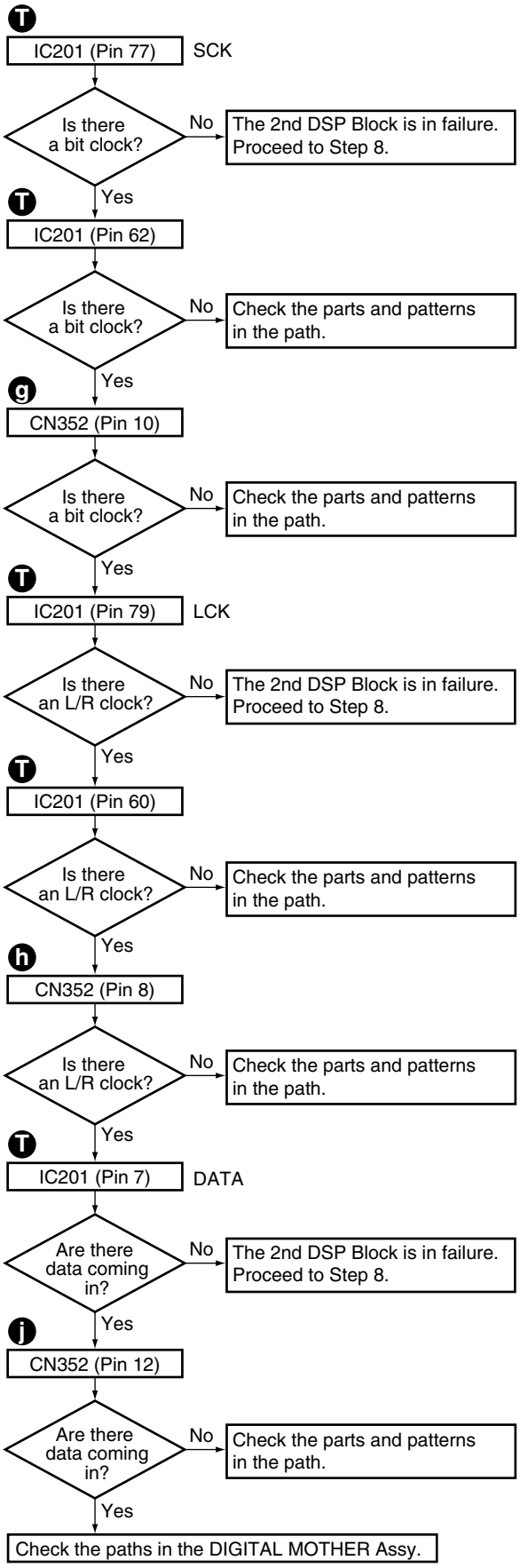
Step 4: Audio Clock



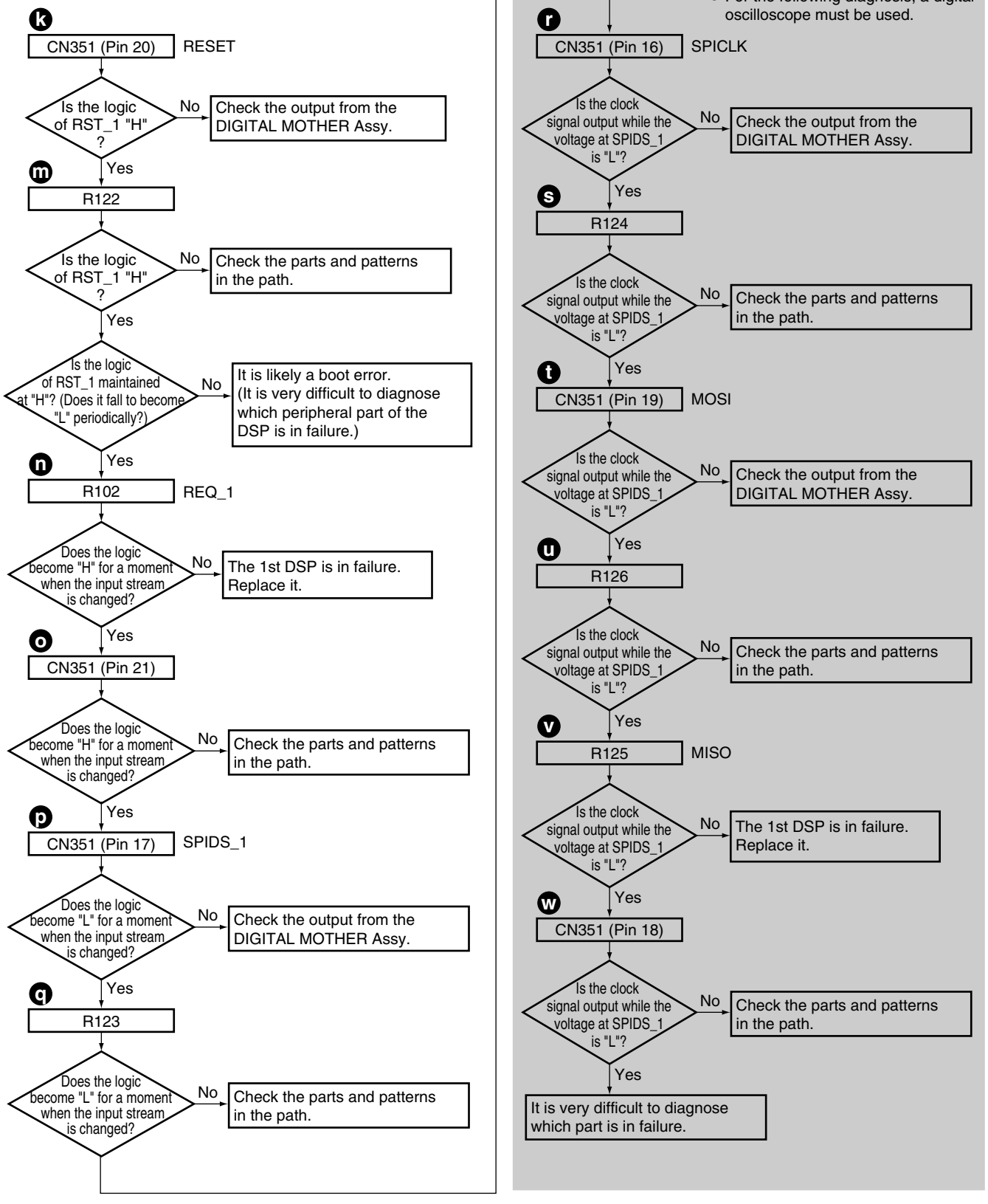
Step 5


d
R117
SCK
Is there a bit clock?
No
The 1st DSP Block is in failure. Proceed to Step 7.
Yes
T
IC201 (Pins 63, 76)
Is there a bit clock?
No
Check the parts and patterns in the path.
Yes
e
R116
LCK
Is there an L/R clock?
No
The 1st DSP Block is in failure. Proceed to Step 7.
Yes
T
IC201 (Pins 61, 78)
Is there an L/R clock?
No
Check the parts and patterns in the path.
Yes
f
R111
DATA
Are there data coming in?
No
The 1st DSP Block is in failure. Proceed to Step 7.
Yes
T
IC201 (Pin 59)
Are there data coming in?
No
Check the parts and patterns in the path.
Yes
To Step 6

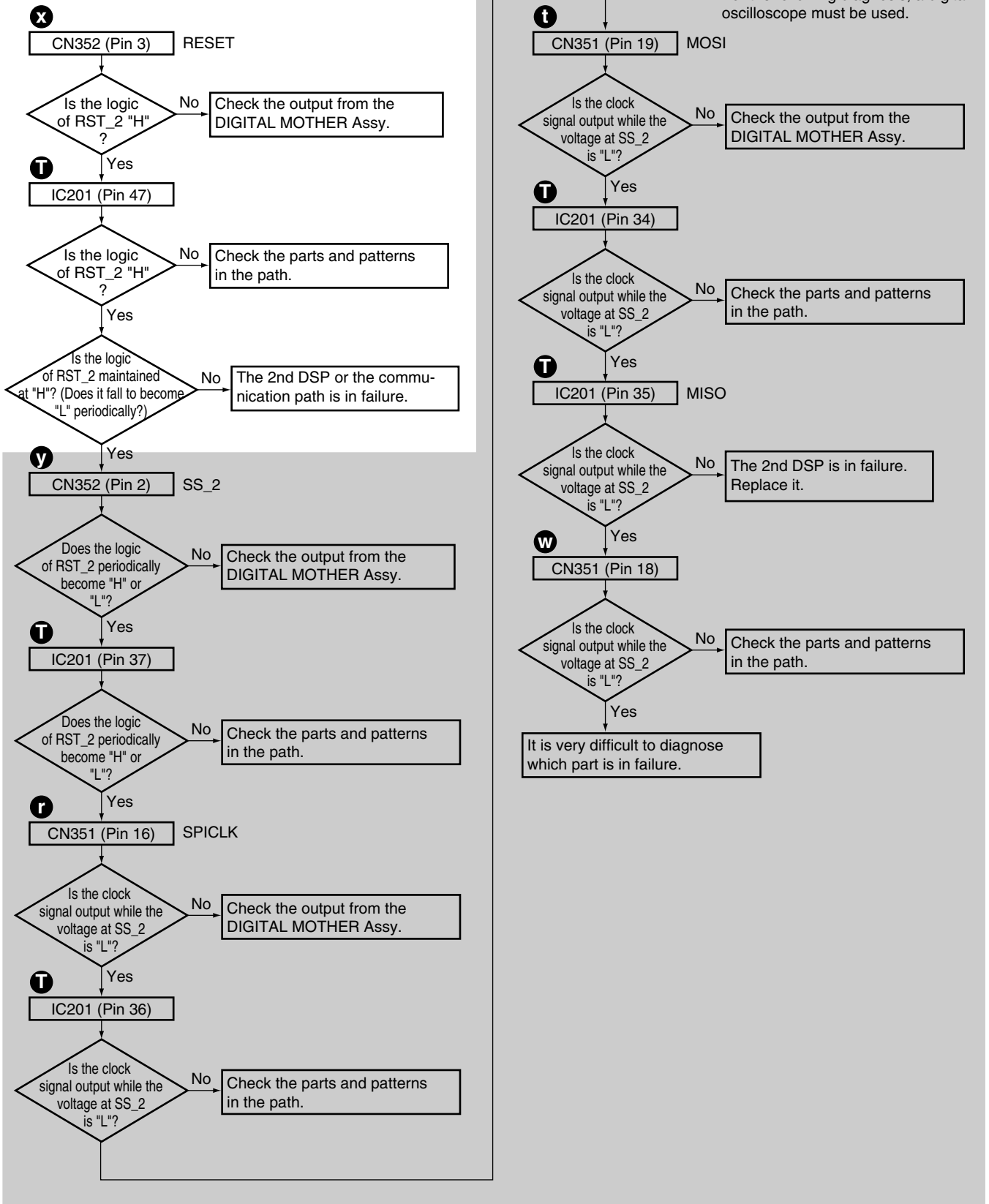
Step 6


T
IC201 (Pin 77)
SCK
Is there a bit clock?
No
The 2nd DSP Block is in failure. Proceed to Step 8.
Yes
T
IC201 (Pin 62)
Is there a bit clock?
No
Check the parts and patterns in the path.
Yes
g
CN352 (Pin 10)
Is there a bit clock?
No
Check the parts and patterns in the path.
Yes
T
IC201 (Pin 79)
LCK
Is there an L/R clock?
No
The 2nd DSP Block is in failure. Proceed to Step 8.
Yes
T
IC201 (Pin 60)
Is there an L/R clock?
No
Check the parts and patterns in the path.
Yes
h
CN352 (Pin 8)
Is there an L/R clock?
No
Check the parts and patterns in the path.
Yes
T
IC201 (Pin 7)
DATA
Are there data coming in?
No
The 2nd DSP Block is in failure. Proceed to Step 8.
Yes
i
CN352 (Pin 12)
Are there data coming in?
No
Check the parts and patterns in the path.
Yes
Check the paths in the DIGITAL MOTHER Assy.

Step 7: 1st DSP

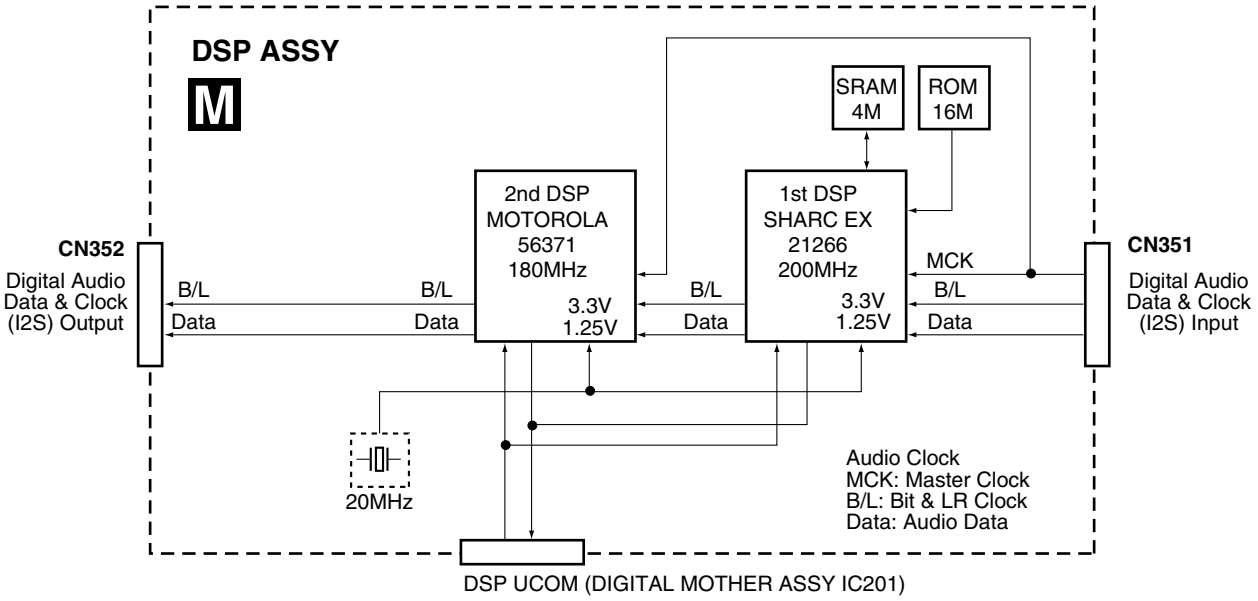


Step 8: 2nd DSP

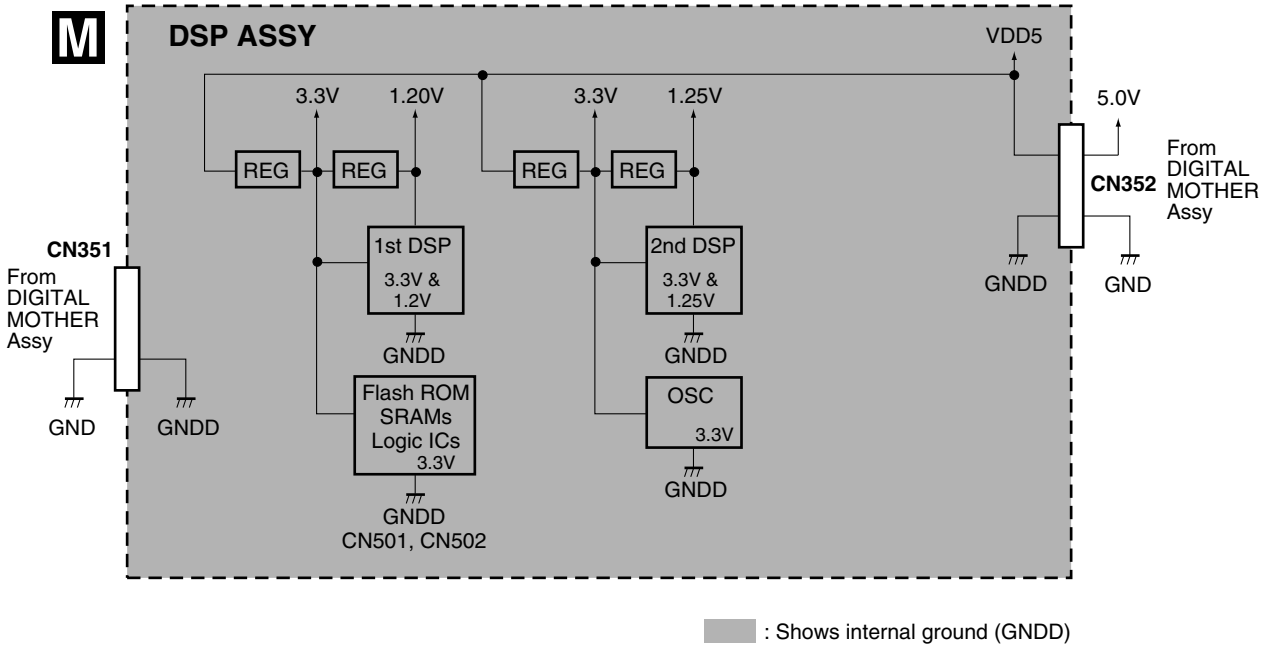


■ DSP Block Diagram

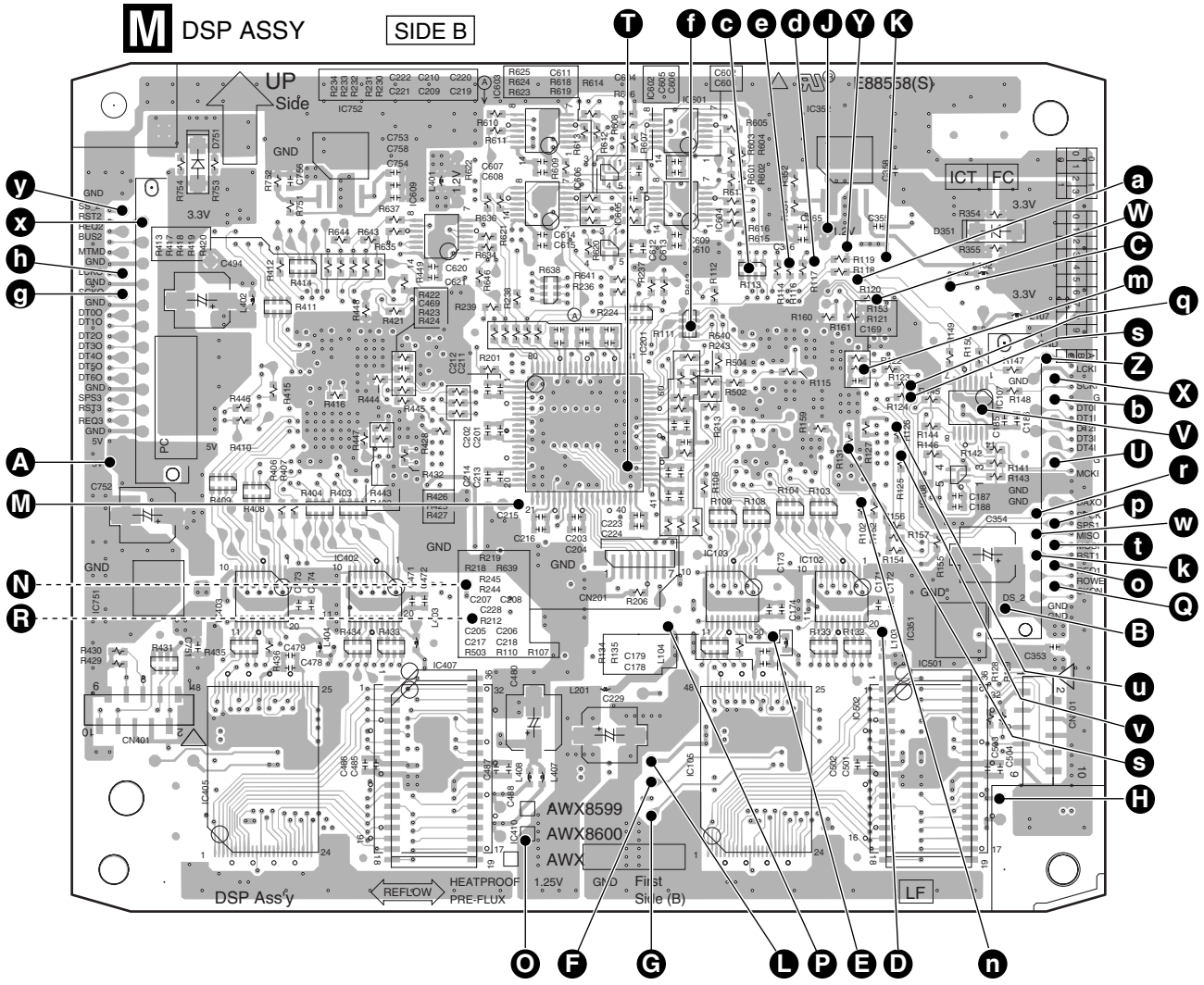
• CORE Block



• Power Block and GND Map



■ DSP Assy Check Points



7.1.4 DIAGNOSIS OF THE HDMI BLOCK AND RELATED SYSTEMS

■ HDMI Simple Diagnosis

Please refer to the one point trouble shooting first before checking the flow chart on the next page.

HDMI

Symptom	Remedy
The HDMI indicator blinks continuously.	Check all the points below.
No picture or sound.	• This receiver is HDCP-compatible. Check that the components you are connecting are also HDCP-compatible. If they are not, please connect them using the component, S-video or composite video jacks. • Depending on the connected source component, itís possible that it will not work with this receiver (even if it is HDCP-compatible). • If the problem still persists when connecting your HDMI component directly to your monitor, please consult the component or monitor manual or contact the manufacturer for support.
No picture.	• If your display device is not SD (480i) compatible then neither the setup screens or the 480i to HDMI converted video will be displayed. In this case, connect using the component, S-video or composite video jacks. • Depending in the output settings of the source component, it may be outputting a video format that can't be displayed. Change the output settings of the source, or connect using the component, S-video or composite jacks.
No sound, or sound suddenly ceases.	• Check that the HDMI AV setting is set to **AMP/THROUGH**. • If the component is a DVI device, use a separate connection for the audio. • If analog video is being output over HDMI then there will be no HDMI audio output. Please use a separate connection for the audio. • Check the audio output settings of the source component.

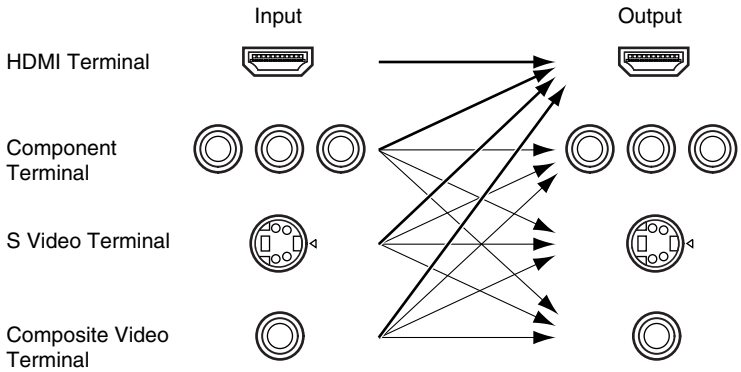
Note:

1 • An HDMI connection can only be made with DVI-equipped components compatible with both DVI and High Bandwidth Digital Content Protection (HDCP). If you choose to connect to a DVI connector, you will need a separate adaptor (DVI → HDMI) to do so. A DVI connection, however, does not support audio signals. Consult your local audio dealer for more information.
• This unit has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.1. Depending on the component you have connected, using a DVI connection may result in unreliable signal transfers. Also, when using a component with HDMI version 1.0, it is not possible to output copy-controlled DVD-Audio CPPM sources from the HDMI connection.
• SACD playback is not possible when using the HDMI connection.

2 To see this receiver's on-screen display, monitors (or projectors) must be compatible with 480i resolution digital video.

Digital Video Converting System

The following chart is for video converting. As you can see HDMI input signal is output to HDMI output terminal only. Other analog inputs can be converted to HDMI output signal.



Note: Down converting for component signal is limited with contents with macro vision.

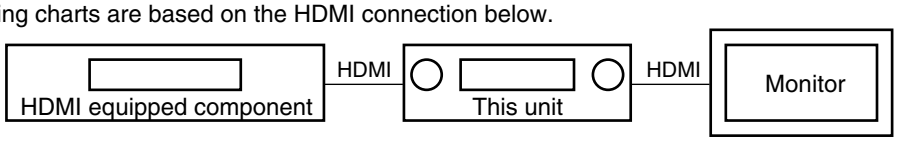
HDMI Audio routing line

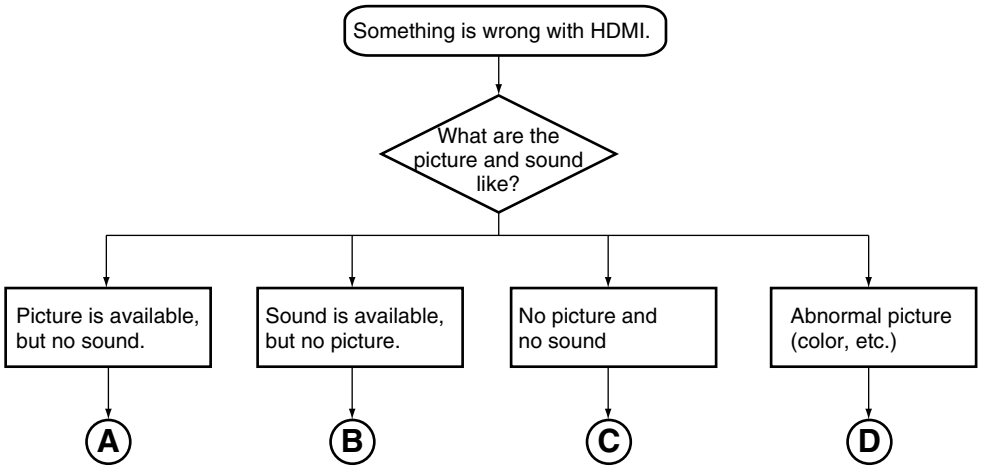
As the audio out from HDMI output terminal, only HDMI input terminal is output. No audio out from other input sources.

Input		Output
HDMI	→	HDMI
		Pre out
		SP Out

■ Status confirmation

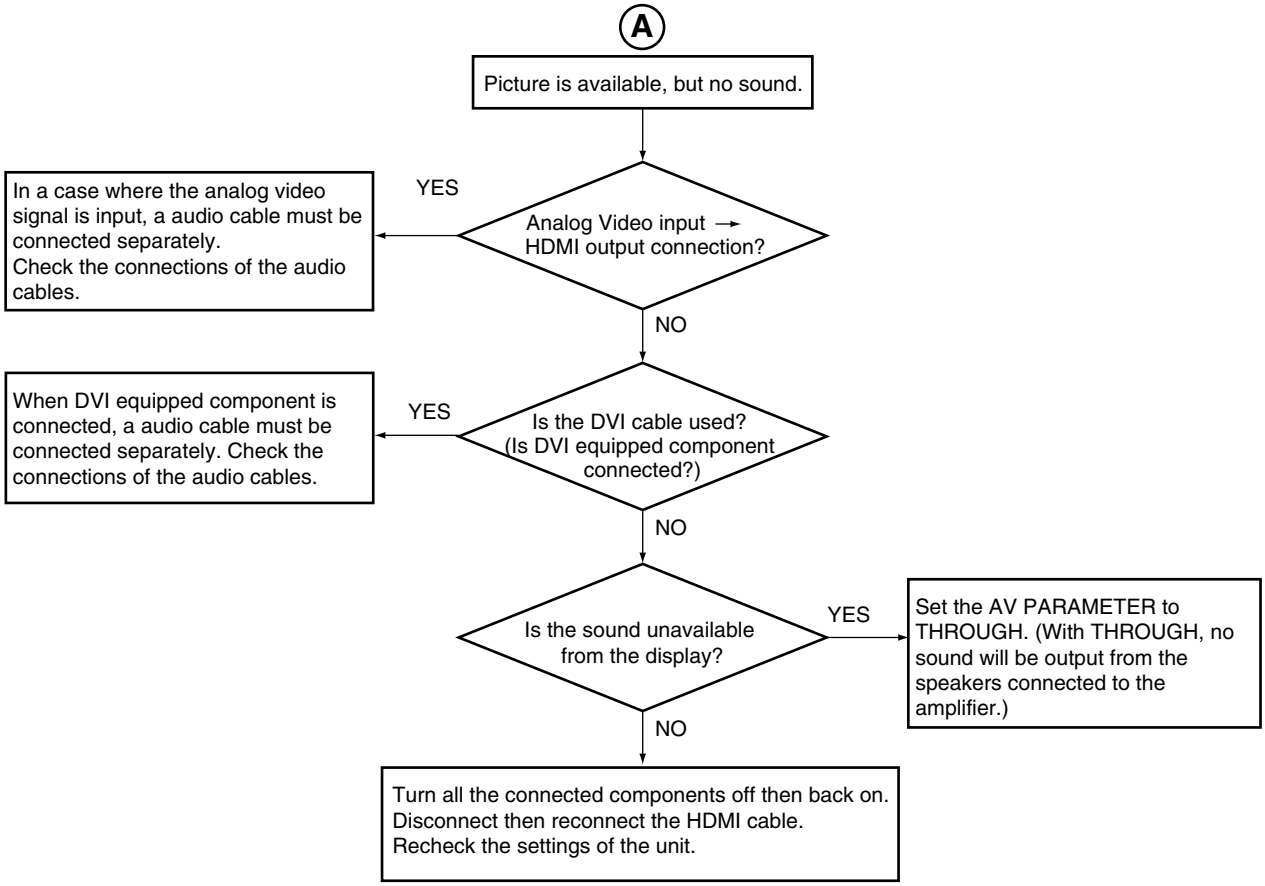
The following charts are based on the HDMI connection below.



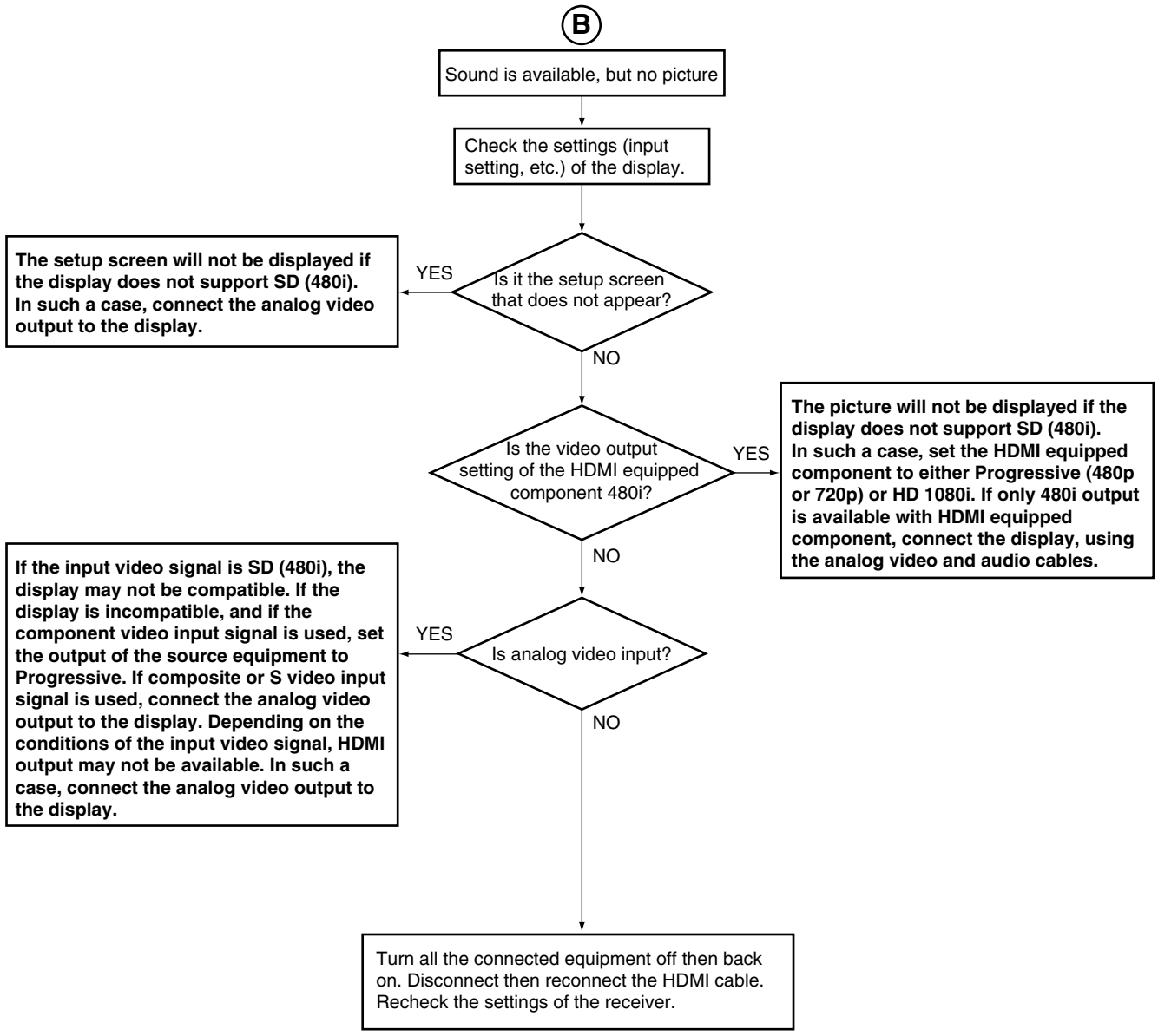


- In either case, check the connection cables, input selection, and initial settings of the unit first.
- "Analog video" hereinafter means composite, S, or component video.
- "Audio cable" hereinafter means either analog or digital audio connection cables.
- "display" hereinafter means HDMI-compatible monitor or plasma display.

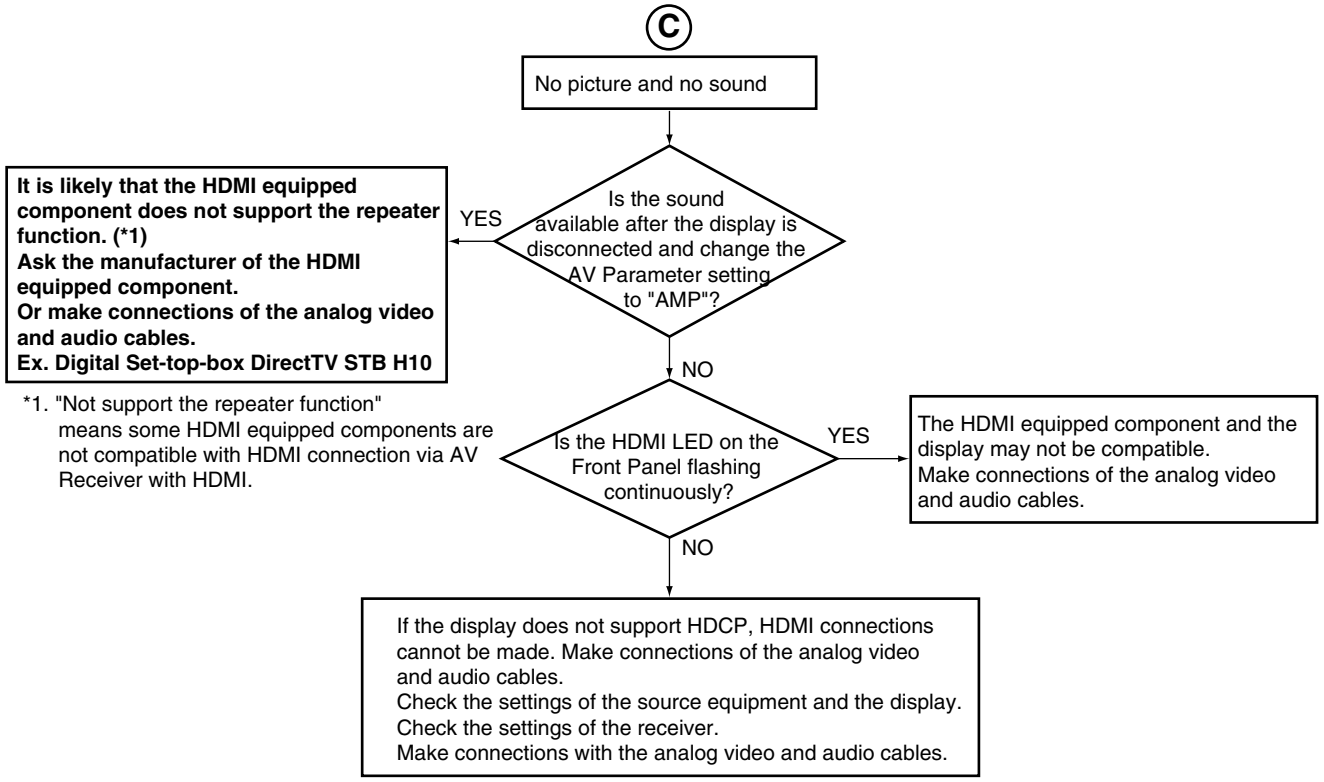
■ In a case where picture is available, but no sound



■ In a case where the sound is available, but no picture

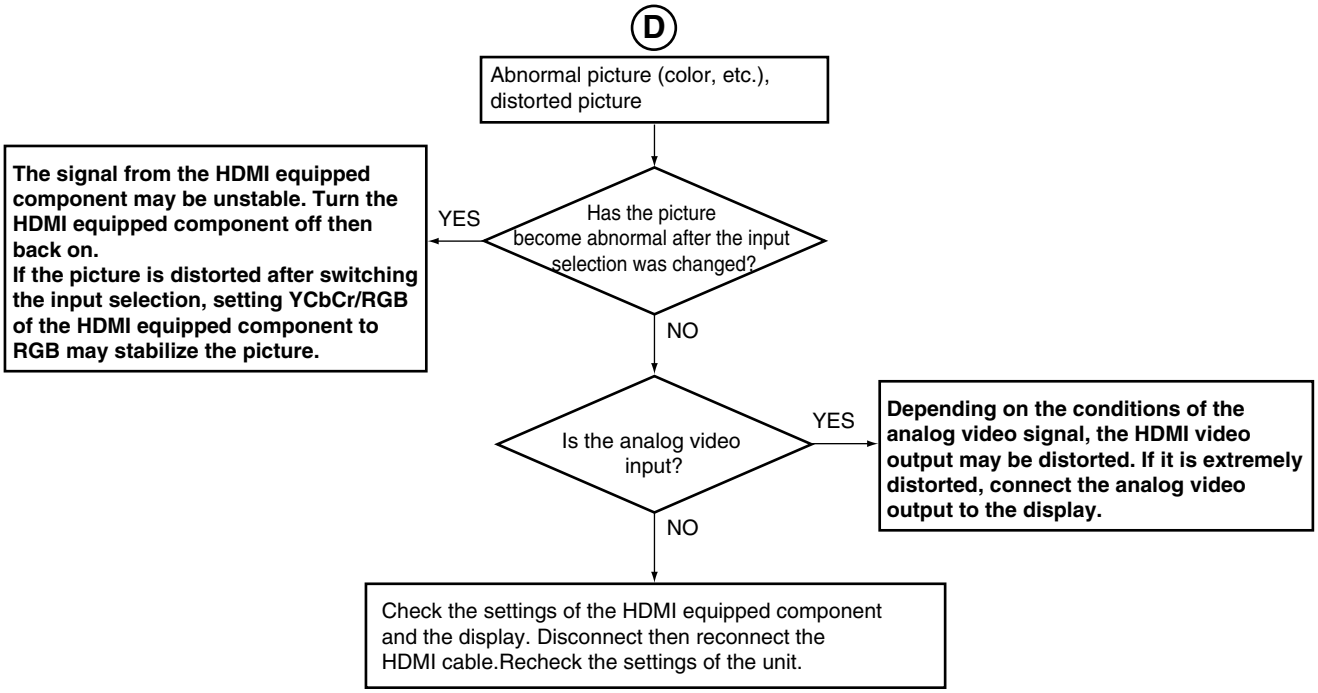


■ In a case of no picture and no sound

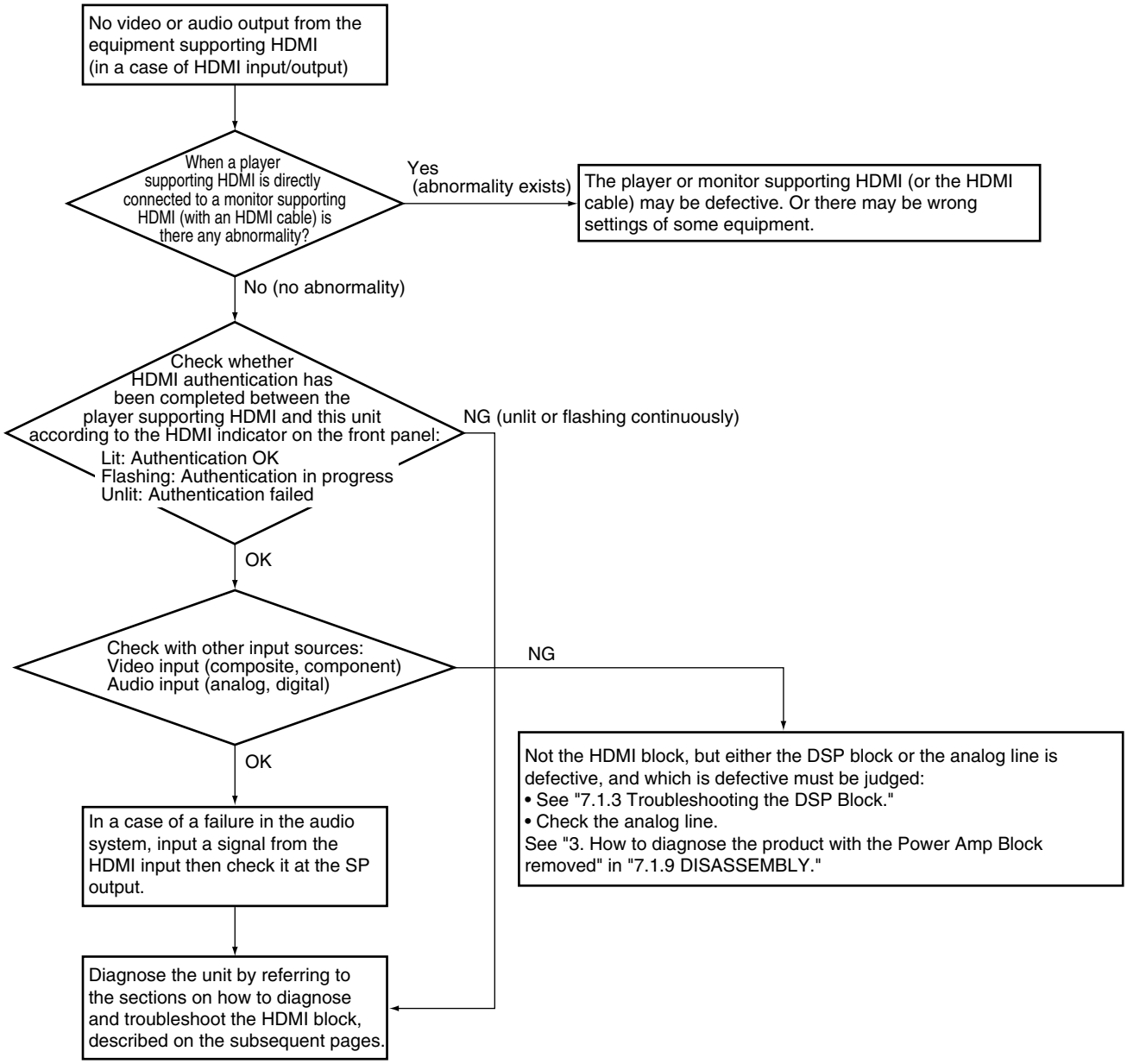


*1. "Not support the repeater function" means some HDMI equipped components are not compatible with HDMI connection via AV Receiver with HDMI.

■ In a case of abnormal picture



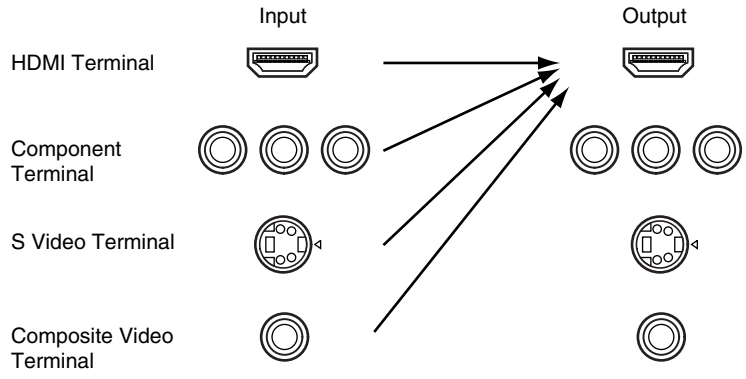
■ Flowchart of troubleshooting the HDMI block



■ Preparations for diagnosis of the HDMI block and related systems

How to diagnose the HDMI audio/video input/output of this unit is explained here.

Video input terminals for HDMI output



HDMI Audio routing line

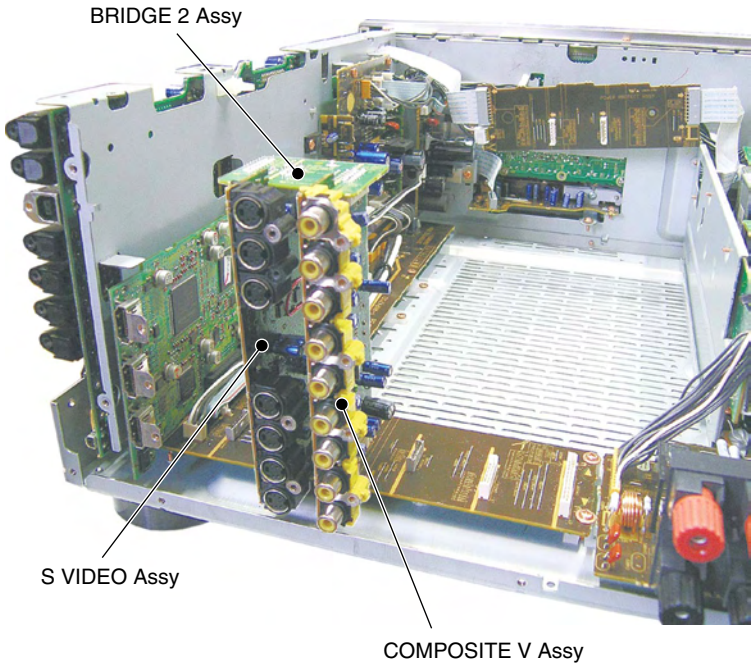
Input		Output
HDMI	→	HDMI
		Pre out
		SP Out

[Procedures]

Remove the following parts and the PCB Assy, referring to "7.1.9 DISASSEMBLY."

- Power Amp Block (*1)
- Rear Panel
- Shield Case
- COMPONENT & VOL Assy
- V-AUDIO Assy
- AUDIO & MULTI CH IN Assy
- PREOUT & CONTROL Assy

(*1) Follow the steps described in "7.1.10 How to diagnose the product with the Power Amp Block removed" in "7.1.9 DISASSEMBLY." After diagnosis, be sure to remove the solder used for short-circuiting.



State after all the above-mentioned assys have been removed

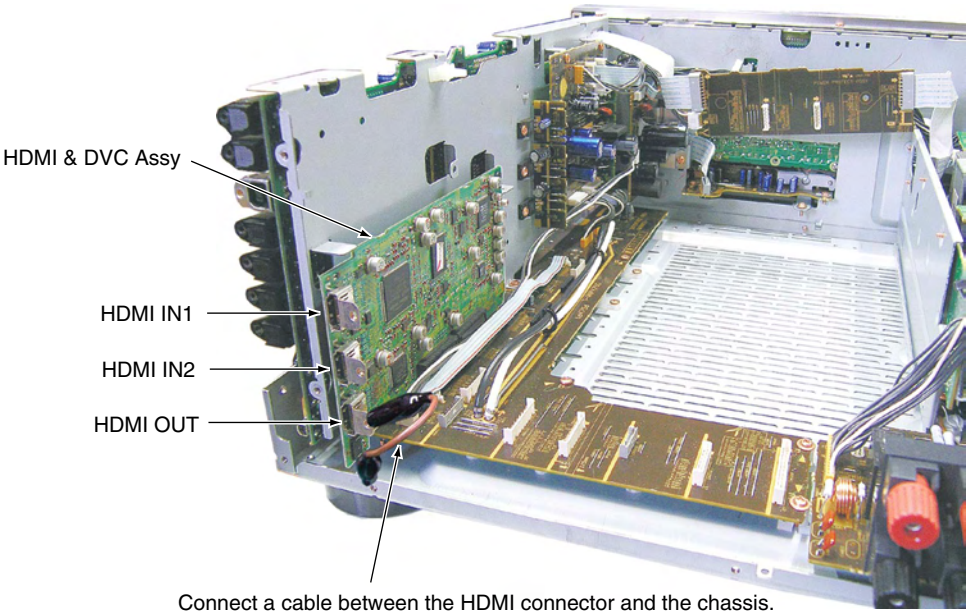
■ Diagnosis of the video and audio lines between HDMI input and HDMI output

How to diagnose the video and audio lines between HDMI input and HDMI output is explained here.

[Procedures]

1. Make the preparations described in "Preparations for diagnosis of the HDMI block and related systems" on the previous page.
2. Remove the COMPOSITE V Assy and S VIDEO Assy.
3. Connect between the HDMI connector and the chassis to mark common GND, as indicated in the photo below. *1
4. Connect a HDMI cable from the source equipment (DVD player, etc.) to HDMI IN 1 or HDMI IN 2.
5. Connect a HDMI cable between the HDMI OUT and a TV monitor.
6. Set the INPUT SELECTOR switch to HDMI function (for the connected HDMI).

*1: Be sure to connect between the HDMI connector and the chassis. Otherwise, operations will be unstable.



[Tips]

- The following DVD players are compatible with this AV Receiver.
  DV-989AVi-S (for Europe)
- Use an HDMI cable with the HDMI logo.

■ Diagnosis of the line from the composite video input to the HDMI video output

How to diagnose the line from the composite video input to the HDMI video output is explained here.

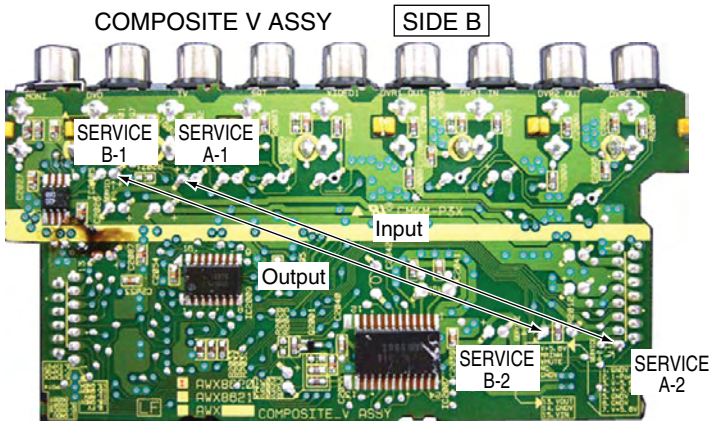
[Procedures]

1. To forcibly input the composite signal to the video converter circuit, bypassing the signal-path switching IC, short-circuit the following points with a jumper: *1

   SERVICE A-1 on the COMPOSITE V Assy <-> SERVICE A-2 (See the photo below.)

2. If the video output from the COMPOSITE V Assy is to be monitored, connect a jumper between SERVICE B-1 and SERVICE B-2 on the COMPOSITE V Assy. (See the photo below.)

3. Make the preparations described in "Preparations for diagnosis of the HDMI block and related systems."



4. Remove the S VIDEO Assy.

5. Connect between the HDMI connector fitting and the chassis, and between the composite connector fitting and the chassis, separately. *2

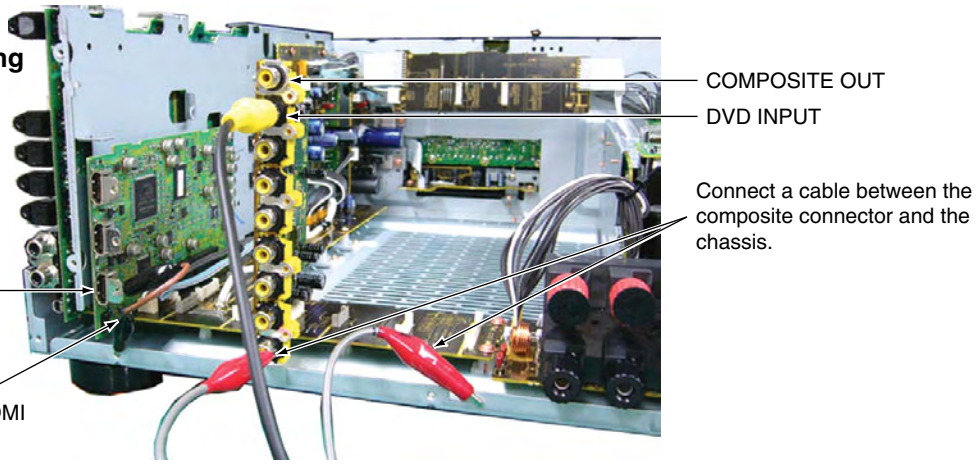
6. Connect a composite cable from the source equipment (DVD player, etc.) to the DVD INPUT (COMPOSITE) connector.

7. Connect between the HDMI OUT connector and a TV monitor. (When Step 2 above is performed, the monitor output signal from the COMPOSITE OUT connector can be monitored.)

8. Set the INPUT SELECTOR switch to DVD function.
   Check that neither S-VIDEO nor COMPONENT is assigned to DVD function in the setting.

*1: Remove the wire used for short-circuiting after the diagnosis is finished.
*2: Be sure to connect between the HDMI connector fitting and the chassis, and the composite connector fitting and the chassis, separately. Otherwise, operations will be unstable.

[Appearance of diagnosing the composite video]



[Tips]

In this diagnosis, the DIGITAL VIDEO CONVERSION setting (ON/OFF) in the AV PARAMETER settings is invalid.

■ Diagnosis of the line from the S video input to the HDMI video output

How to diagnose the line from the S video input to the HDMI video output is explained here.

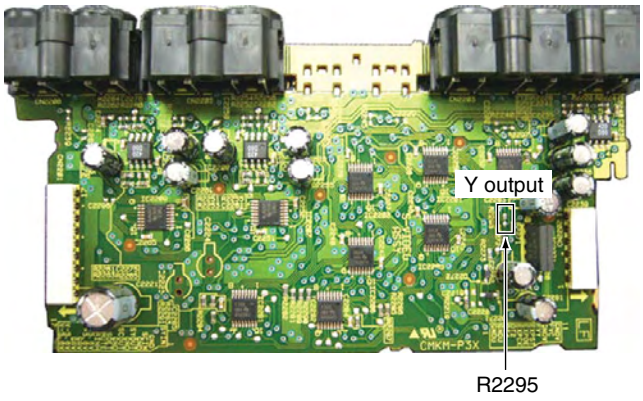
[Procedures]

1. To forcibly input the signal to the video converter circuit, short-circuit between the pads to R2231 (C input) and R2232 (Y input) on the S VIDEO Assy. *1

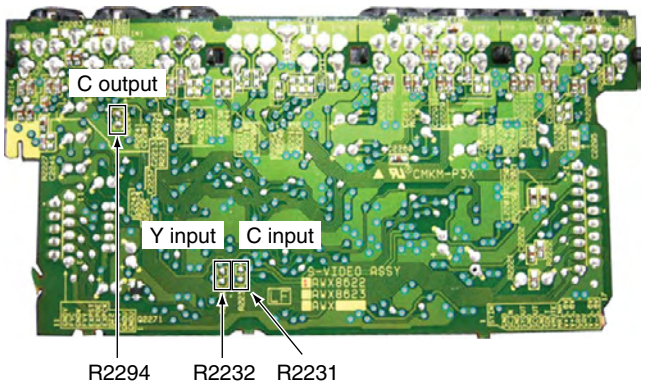
2. If the video output from the S VIDEO Assy is to be monitored, short-circuit between R2294 (C output) and R2295 (Y output) on the S VIDEO Assy.

3. Make the preparations described in "Preparations for diagnosis of the HDMI block and related systems."

S VIDEO ASSY SIDE A



S VIDEO ASSY SIDE B



4. Connect between the HDMI connector and the chassis, and between the composite connector and the chassis, separately.*2

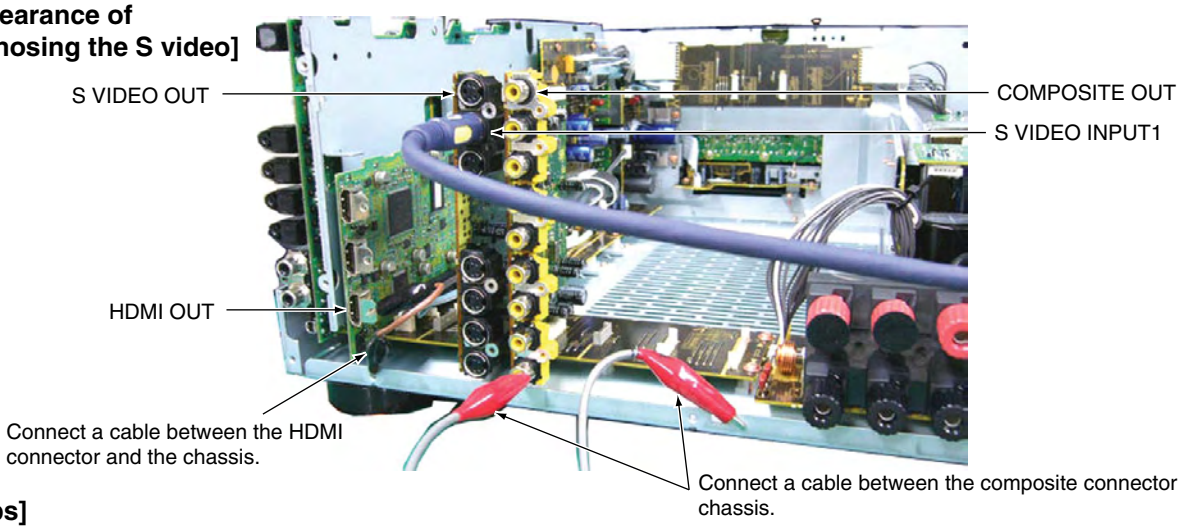
5. Connect a S-video cable from the source equipment (DVD player, etc.) to the S-VIDEO INPUT 1 connector.

6. Connect between the HDMI OUT connector and a TV monitor. (When Step 2 above is performed, the signal from the S-VIDEO OUT connector can be monitored. When Step 2 in "Diagnosis of the line from the composite video input to the HDMI video output" is performed, the signal from the COMPOSITE OUT connector can also be monitored.)

7. Assign S-VIDEO INPUT 1 as DVD function. Set the INPUT SELECTOR switch to DVD function.

*1: Remove the solder used for short-circuiting after the diagnosis is finished.
*2: Be sure to connect between the HDMI connector fitting and the chassis, and between the composite connector fitting and the chassis, separately. Otherwise, operations will be unstable.

[Appearance of diagnosing the S video]



[Tips]

In this diagnosis, the DIGITAL VIDEO CONVERSION setting (ON/OFF) in the AV PARAMETER settings is invalid.

■ Diagnosis of the line from the component video input to the HDMI video output

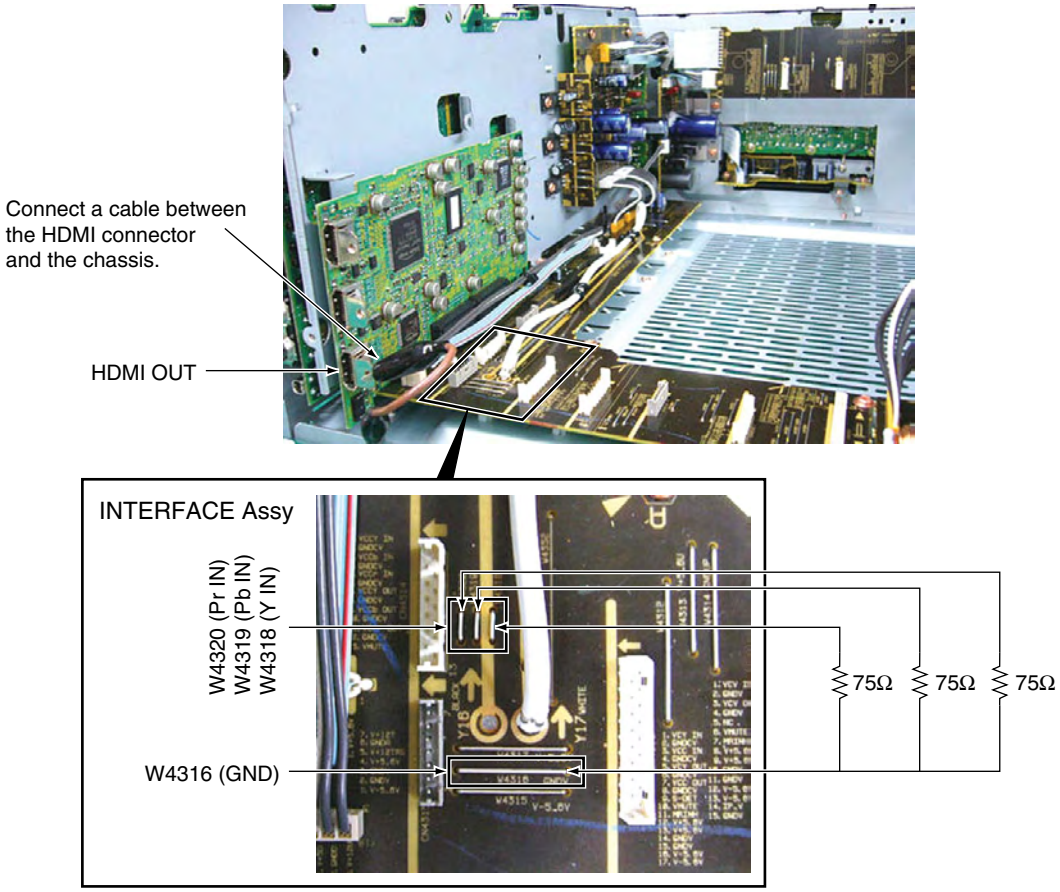
How to diagnose the line from the component video input to the HDMI video output is explained here.

[Procedures]

1. Make the preparations described in "Preparations for diagnosis of the HDMI block and related systems" on the previous page.
2. Remove the COMPOSITE V Assy and S VIDEO Assy.
3. Connect between the HDMI connector and the chassis. *1
4. Insert 75-ohm resistors separately between W4318 and W4316, between W4319 and W4316, and between W4320 and W4316 on the INTERFACE Assy to create impedance that matches the actual input impedance.*2
5. Connect a component video cable from the source equipment (DVD player, etc.) to W4318: Y IN, W4319: Pb IN, and W4320:Pr IN, separately. *2
6. Connect a HDMI cable between the HDMI OUT connector and a TV monitor.
7. Referring to the instruction manual for this unit, assign COMPONENT INPUT 1 as DVD function. Set the INPUT SELECTOR switch to DVD function.

*1: Be sure to connect between the HDMI connector and the chassis. Otherwise, operations will be unstable.
*2: Be sure to remove the resistors or jumpers after the diagnosis is finished.

[Appearance of diagnosing the component video]



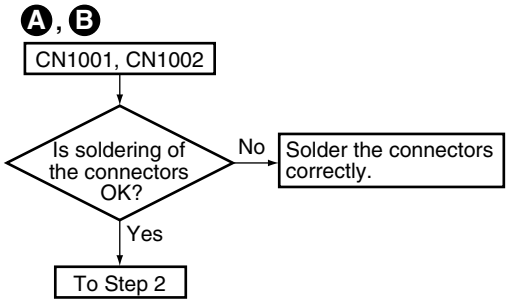
[Tips]

In this diagnosis, the DIGITAL VIDEO CONVERSION setting (ON/OFF) in the AV PARAMETER settings is invalid.

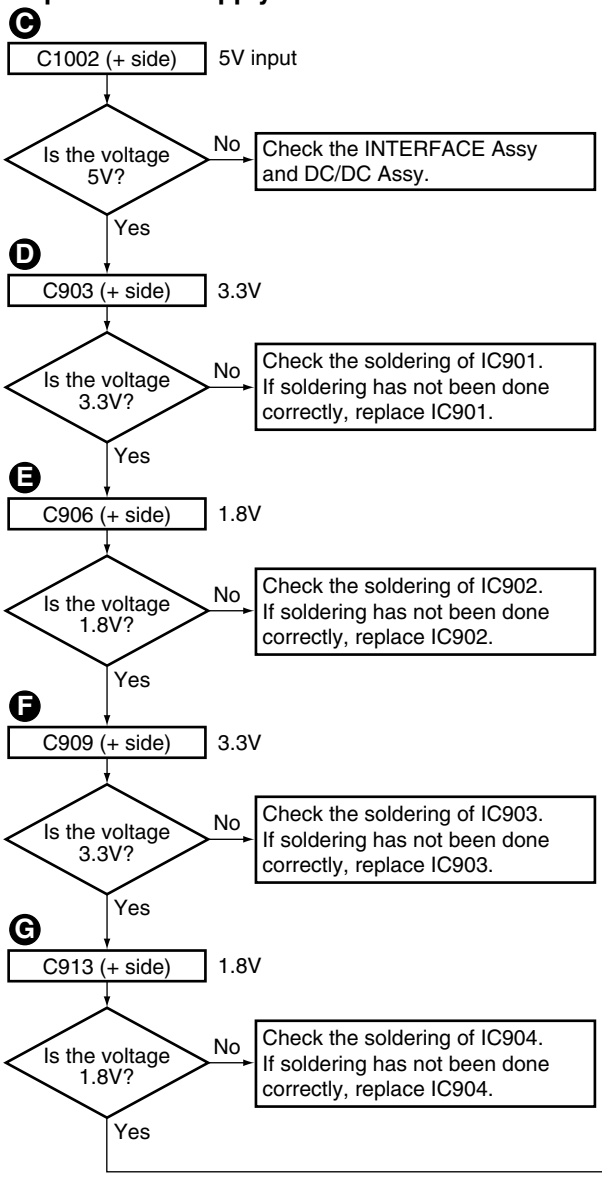
■ HDMI Troubleshooting

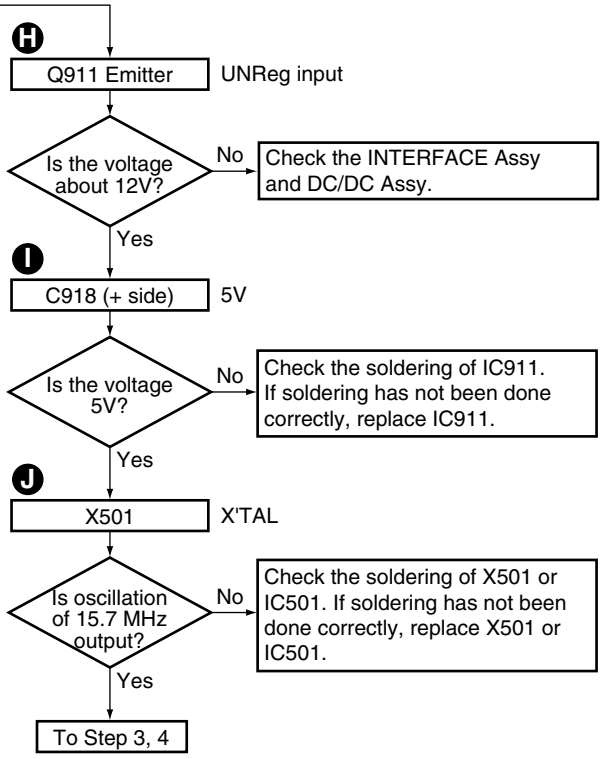
- It is assumed that there is no loose connection or damage in the LCRs.
- There must not be an abnormality in pattern.
- The parts marked like Ⓐ in the following chart are located in "HDMI &DVC Assy Check Points" on the Page 217.

Step 1: Connections

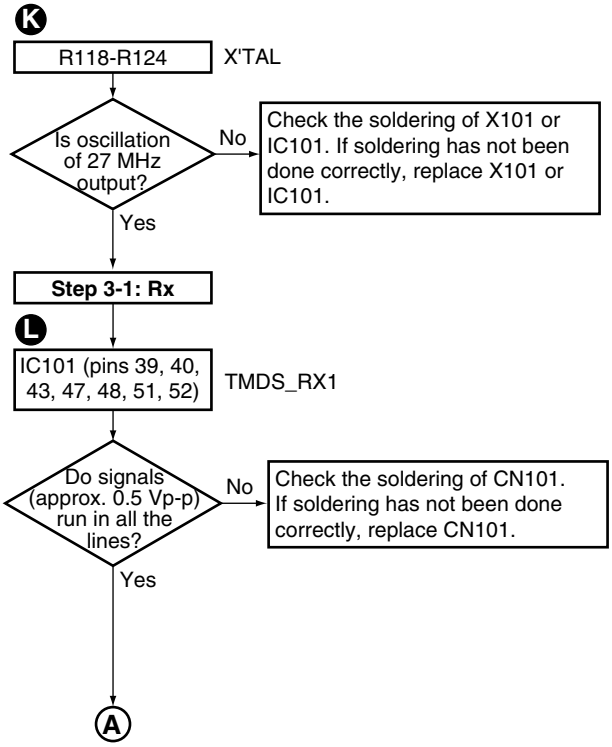


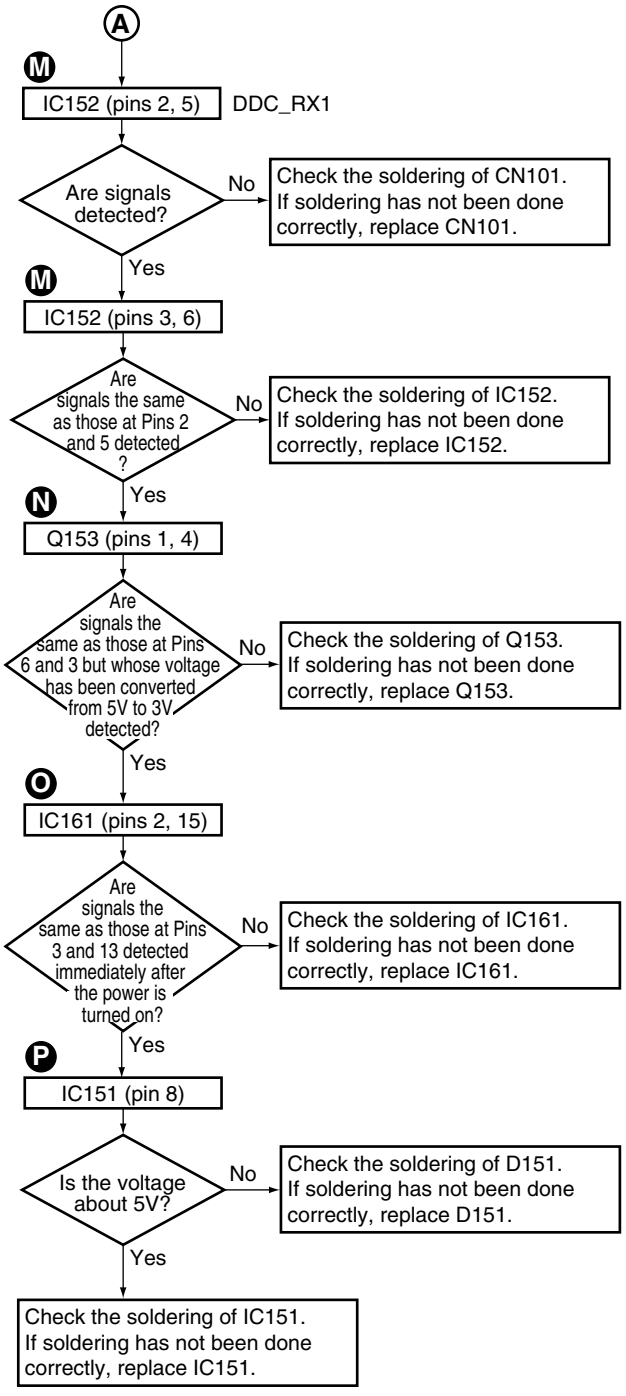
Step 2: Power supply and clock

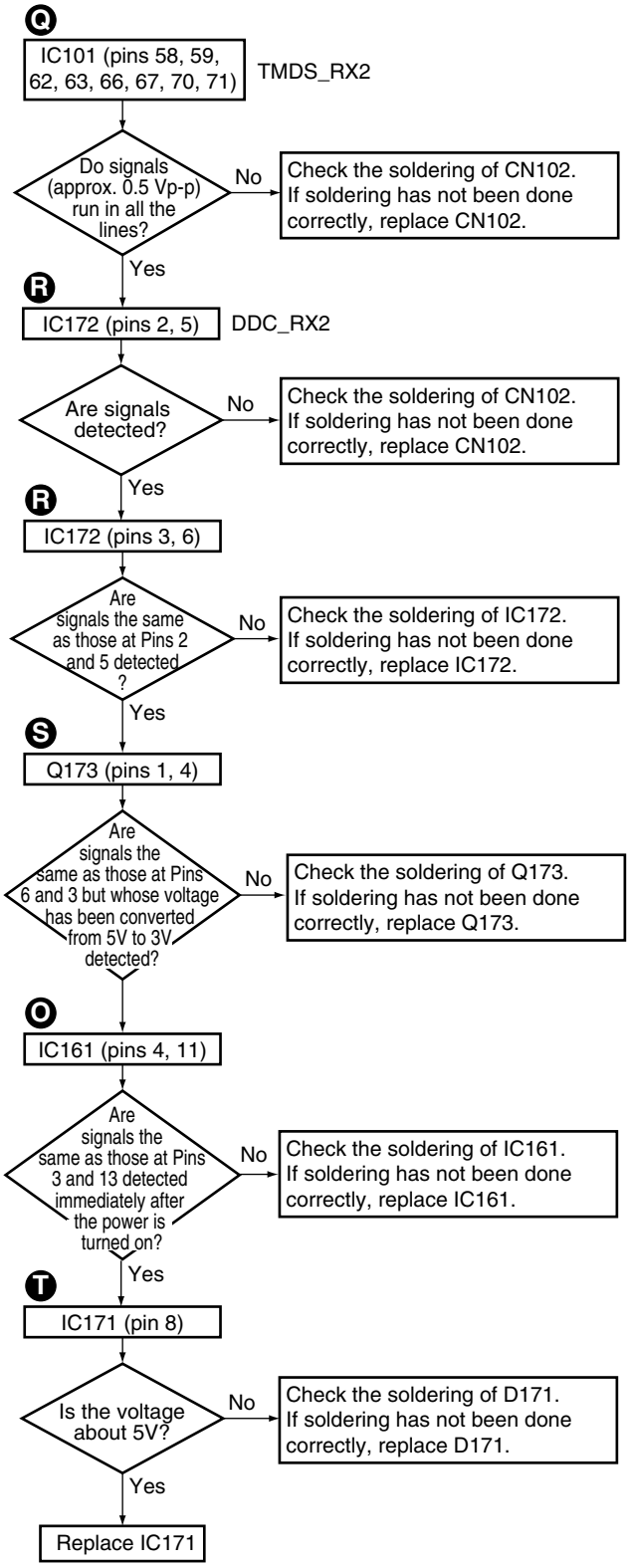




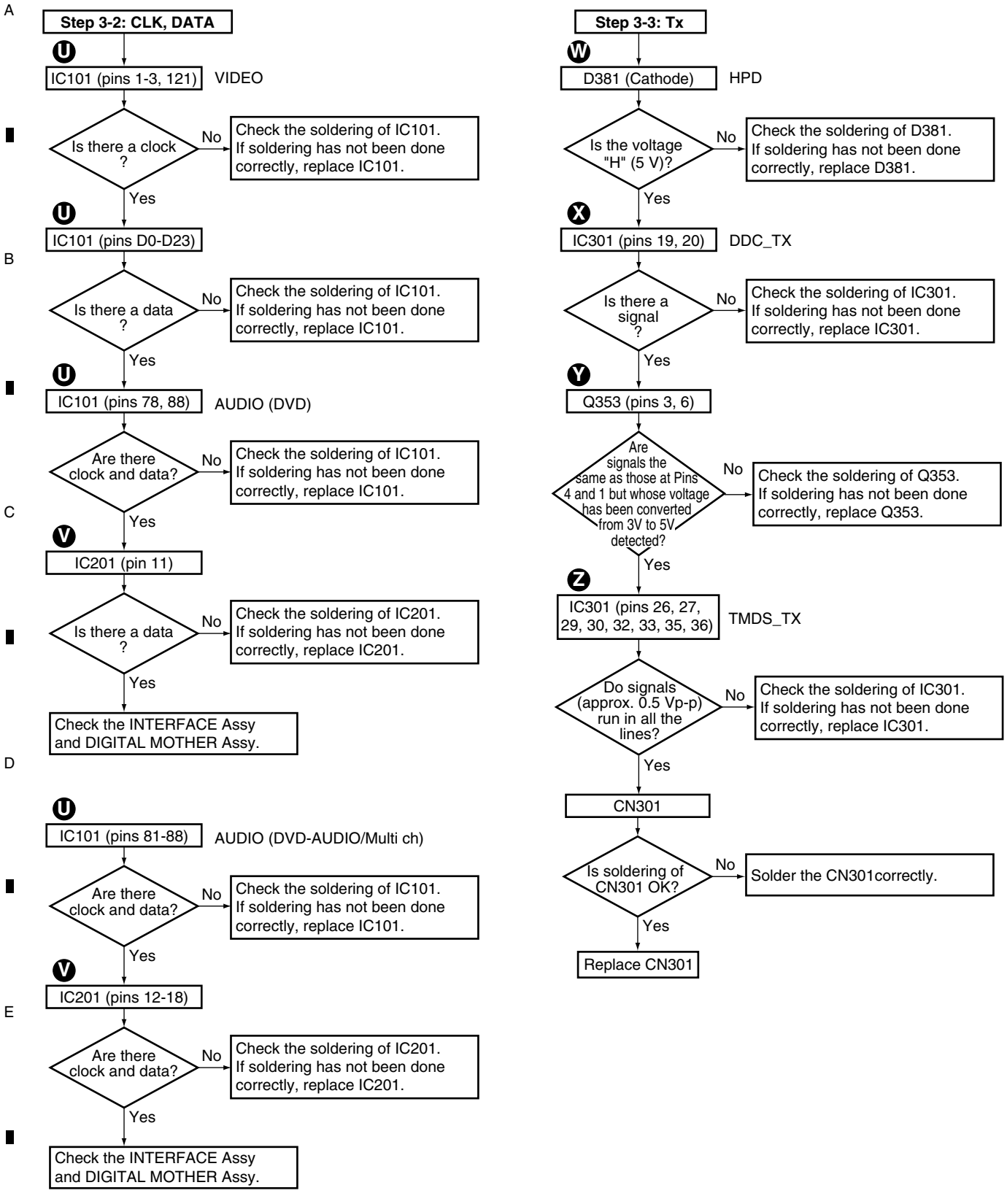
Step 3: HDMI



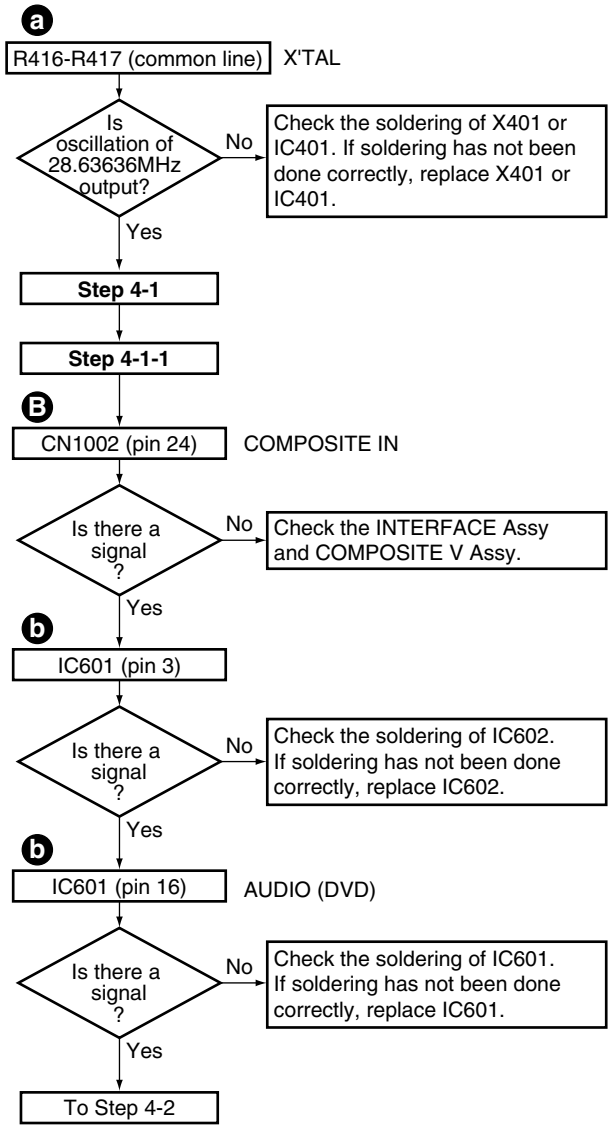

A
M
IC152 (pins 2, 5)
DDC_RX1
Are signals detected?
No
Check the soldering of CN101. If soldering has not been done correctly, replace CN101.
Yes
M
IC152 (pins 3, 6)
Are signals the same as those at Pins 2 and 5 detected ?
No
Check the soldering of IC152. If soldering has not been done correctly, replace IC152.
Yes
N
Q153 (pins 1, 4)
Are signals the same as those at Pins 6 and 3 but whose voltage has been converted from 5V to 3V detected?
No
Check the soldering of Q153. If soldering has not been done correctly, replace Q153.
Yes
O
IC161 (pins 2, 15)
Are signals the same as those at Pins 3 and 13 detected immediately after the power is turned on?
No
Check the soldering of IC161. If soldering has not been done correctly, replace IC161.
Yes
P
IC151 (pin 8)
Is the voltage about 5V?
No
Check the soldering of D151. If soldering has not been done correctly, replace D151.
Yes
Check the soldering of IC151. If soldering has not been done correctly, replace IC151.

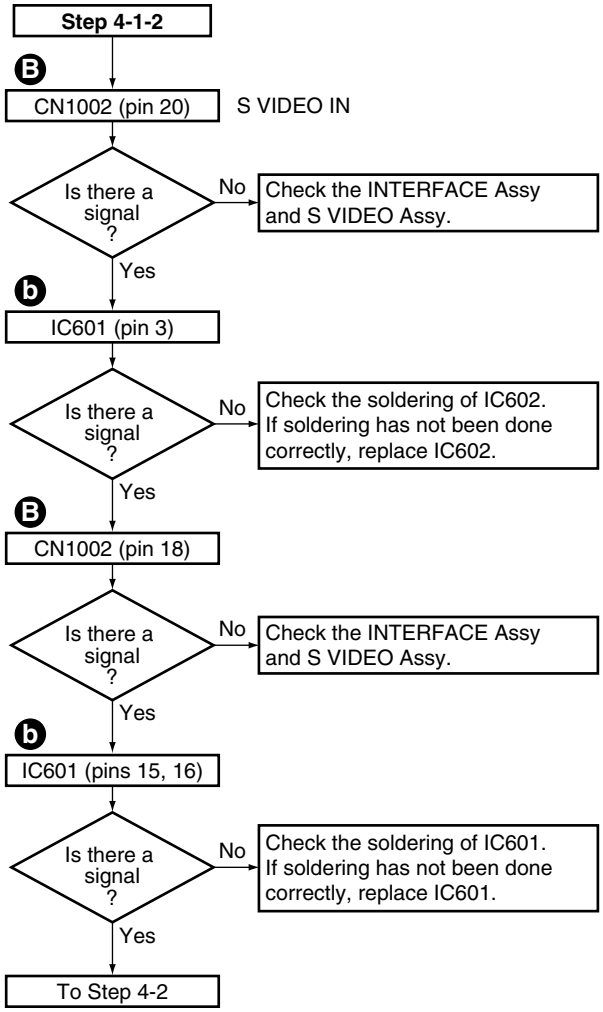

Q
IC101 (pins 58, 59, 62, 63, 66, 67, 70, 71)
TMDS_RX2
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of CN102. If soldering has not been done correctly, replace CN102.
Yes
R
IC172 (pins 2, 5)
DDC_RX2
Are signals detected?
No
Check the soldering of CN102. If soldering has not been done correctly, replace CN102.
Yes
R
IC172 (pins 3, 6)
Are signals the same as those at Pins 2 and 5 detected ?
No
Check the soldering of IC172. If soldering has not been done correctly, replace IC172.
Yes
S
Q173 (pins 1, 4)
Are signals the same as those at Pins 6 and 3 but whose voltage has been converted from 5V to 3V detected?
No
Check the soldering of Q173. If soldering has not been done correctly, replace Q173.
O
IC161 (pins 4, 11)
Are signals the same as those at Pins 3 and 13 detected immediately after the power is turned on?
No
Check the soldering of IC161. If soldering has not been done correctly, replace IC161.
Yes
T
IC171 (pin 8)
Is the voltage about 5V?
No
Check the soldering of D171. If soldering has not been done correctly, replace D171.
Yes
Replace IC171

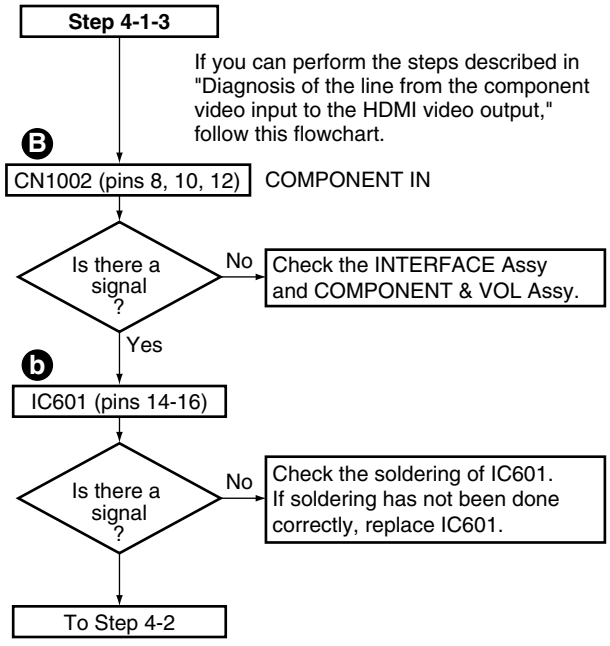
Step 3: HDMI

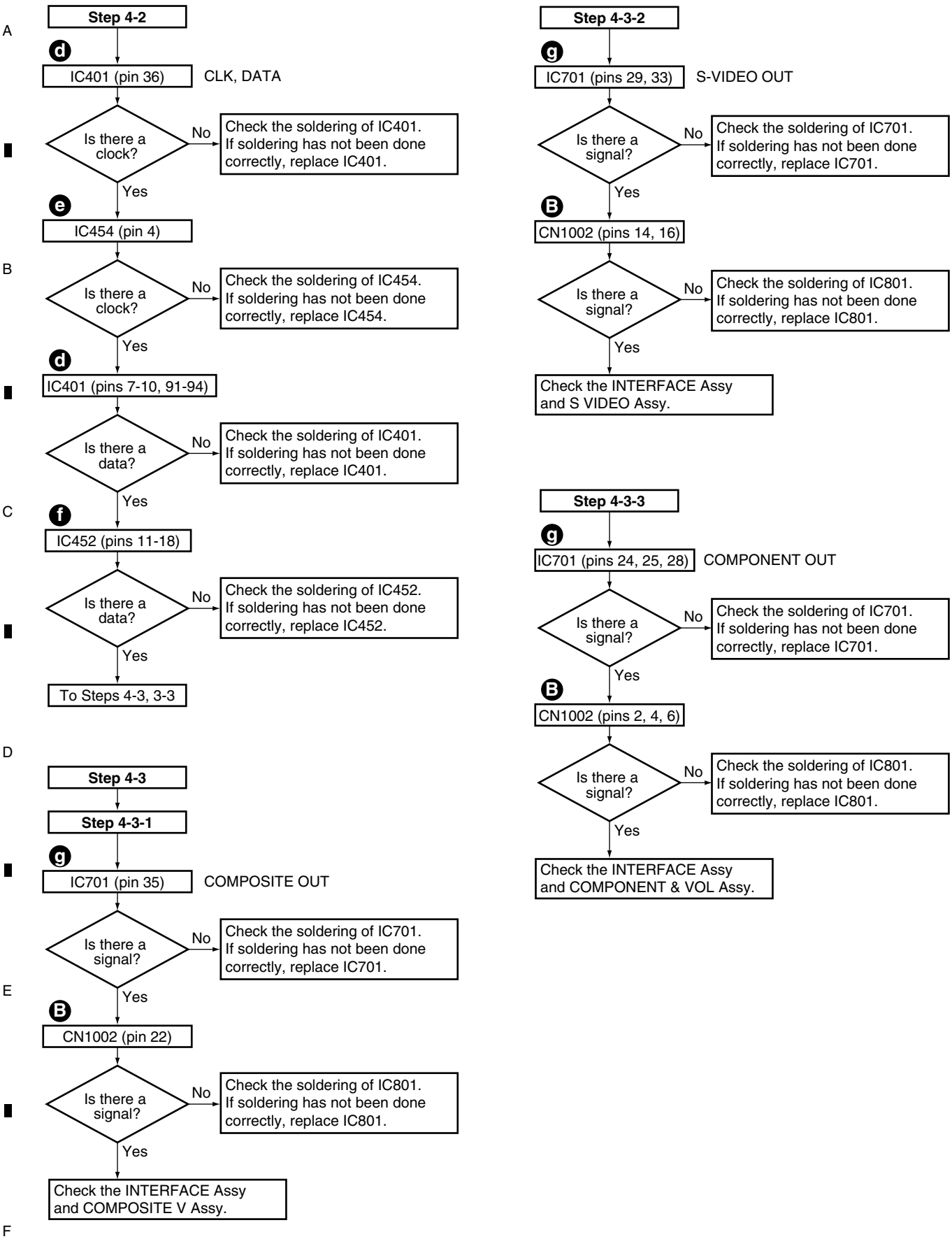

Step 3-2: CLK, DATA
U
IC101 (pins 1-3, 121)
VIDEO
Is there a clock ?
No
Check the soldering of IC101. If soldering has not been done correctly, replace IC101.
Yes
U
IC101 (pins D0-D23)
Is there a data ?
No
Check the soldering of IC101. If soldering has not been done correctly, replace IC101.
Yes
U
IC101 (pins 78, 88)
AUDIO (DVD)
Are there clock and data?
No
Check the soldering of IC101. If soldering has not been done correctly, replace IC101.
Yes
V
IC201 (pin 11)
Is there a data ?
No
Check the soldering of IC201. If soldering has not been done correctly, replace IC201.
Yes
Check the INTERFACE Assy and DIGITAL MOTHER Assy.
U
IC101 (pins 81-88)
AUDIO (DVD-AUDIO/Multi ch)
Are there clock and data?
No
Check the soldering of IC101. If soldering has not been done correctly, replace IC101.
Yes
V
IC201 (pins 12-18)
Are there clock and data?
No
Check the soldering of IC201. If soldering has not been done correctly, replace IC201.
Yes
Check the INTERFACE Assy and DIGITAL MOTHER Assy.
Step 3-3: Tx
W
D381 (Cathode)
HPD
Is the voltage "H" (5 V)?
No
Check the soldering of D381. If soldering has not been done correctly, replace D381.
Yes
X
IC301 (pins 19, 20)
DDC_TX
Is there a signal ?
No
Check the soldering of IC301. If soldering has not been done correctly, replace IC301.
Yes
Y
Q353 (pins 3, 6)
Are signals the same as those at Pins 4 and 1 but whose voltage has been converted from 3V to 5V detected?
No
Check the soldering of Q353. If soldering has not been done correctly, replace Q353.
Yes
Z
IC301 (pins 26, 27, 29, 30, 32, 33, 35, 36)
TMDS_TX
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of IC301. If soldering has not been done correctly, replace IC301.
Yes
CN301
Is soldering of CN301 OK?
No
Solder the CN301correctly.
Yes
Replace CN301

Step 4: DVC

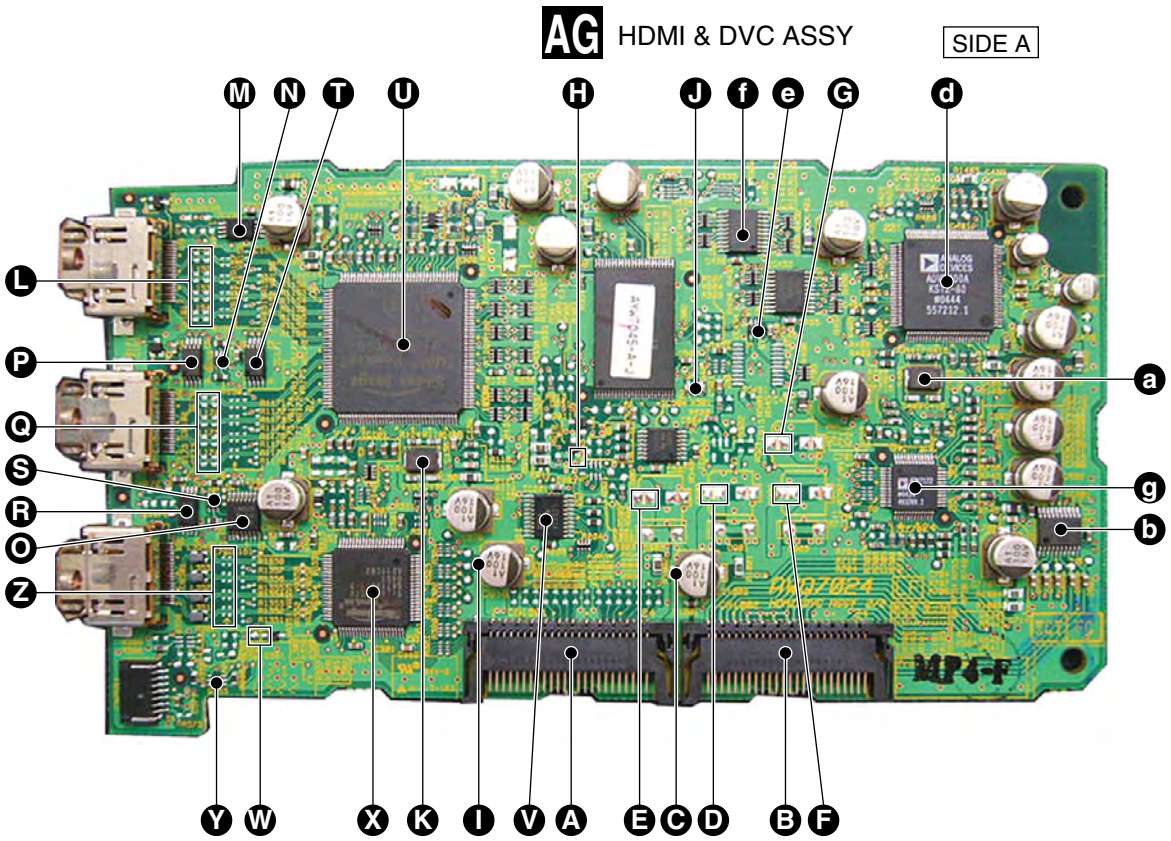

a
R416-R417 (common line)
X'TAL
Is oscillation of 28.63636MHz output?
No
Check the soldering of X401 or IC401. If soldering has not been done correctly, replace X401 or IC401.
Yes
Step 4-1
Step 4-1-1
B
CN1002 (pin 24)
COMPOSITE IN
Is there a signal ?
No
Check the INTERFACE Assy and COMPOSITE V Assy.
Yes
b
IC601 (pin 3)
Is there a signal ?
No
Check the soldering of IC602. If soldering has not been done correctly, replace IC602.
Yes
b
IC601 (pin 16)
AUDIO (DVD)
Is there a signal ?
No
Check the soldering of IC601. If soldering has not been done correctly, replace IC601.
Yes
To Step 4-2


Step 4-1-2
B
CN1002 (pin 20)
S VIDEO IN
Is there a signal ?
No
Check the INTERFACE Assy and S VIDEO Assy.
Yes
b
IC601 (pin 3)
Is there a signal ?
No
Check the soldering of IC602. If soldering has not been done correctly, replace IC602.
Yes
B
CN1002 (pin 18)
Is there a signal ?
No
Check the INTERFACE Assy and S VIDEO Assy.
Yes
b
IC601 (pins 15, 16)
Is there a signal ?
No
Check the soldering of IC601. If soldering has not been done correctly, replace IC601.
Yes
To Step 4-2


Step 4-1-3
If you can perform the steps described in "Diagnosis of the line from the component video input to the HDMI video output," follow this flowchart.
B
CN1002 (pins 8, 10, 12)
COMPONENT IN
Is there a signal ?
No
Check the INTERFACE Assy and COMPONENT & VOL Assy.
Yes
b
IC601 (pins 14-16)
Is there a signal ?
No
Check the soldering of IC601. If soldering has not been done correctly, replace IC601.
Yes
To Step 4-2


Step 4-2
d
IC401 (pin 36)
CLK, DATA
Is there a clock?
No
Check the soldering of IC401. If soldering has not been done correctly, replace IC401.
Yes
e
IC454 (pin 4)
Is there a clock?
No
Check the soldering of IC454. If soldering has not been done correctly, replace IC454.
Yes
d
IC401 (pins 7-10, 91-94)
Is there a data?
No
Check the soldering of IC401. If soldering has not been done correctly, replace IC401.
Yes
f
IC452 (pins 11-18)
Is there a data?
No
Check the soldering of IC452. If soldering has not been done correctly, replace IC452.
Yes
To Steps 4-3, 3-3
Step 4-3
Step 4-3-1
g
IC701 (pin 35)
COMPOSITE OUT
Is there a signal?
No
Check the soldering of IC701. If soldering has not been done correctly, replace IC701.
Yes
B
CN1002 (pin 22)
Is there a signal?
No
Check the soldering of IC801. If soldering has not been done correctly, replace IC801.
Yes
Check the INTERFACE Assy and COMPOSITE V Assy.
Step 4-3-2
g
IC701 (pins 29, 33)
S-VIDEO OUT
Is there a signal?
No
Check the soldering of IC701. If soldering has not been done correctly, replace IC701.
Yes
B
CN1002 (pins 14, 16)
Is there a signal?
No
Check the soldering of IC801. If soldering has not been done correctly, replace IC801.
Yes
Check the INTERFACE Assy and S VIDEO Assy.
Step 4-3-3
g
IC701 (pins 24, 25, 28)
COMPONENT OUT
Is there a signal?
No
Check the soldering of IC701. If soldering has not been done correctly, replace IC701.
Yes
B
CN1002 (pins 2, 4, 6)
Is there a signal?
No
Check the soldering of IC801. If soldering has not been done correctly, replace IC801.
Yes
Check the INTERFACE Assy and COMPONENT & VOL Assy.

■ HDMI & DVC Assy Check Points



7.1.5 DIAGNOSIS OF THE 1394 ASSY

■ Before Making a Diagnosis

Please check the following Trouble shooting prior to repairing the unit.

i.LINK interface

Symptom	Remedy
No sound is output.	• Check that the source player is compatible with i.LINK audio. • Check the output settings of the source player. • Make sure that **i.LINK** or **AUTO** is selected using the **SIGNAL SELECT** button.
The i.LINK indicator does not light up even when an i.LINK-equipped component is selected.	• Make sure that **i.LINK** or **AUTO** is selected using the **SIGNAL SELECT** button. • Check the i.LINK connections; use an i.LINK cable of less than 11 feet (3.5 m). • Check that the source components conforms to the i.LINK Audio format. • Make sure that all components connected between the receiver and the source are switched on.
PQLS OFF or **PQLS ON** is displayed temporarily on your player and the sound output is discontinued.	• During playback through an i.LINK connection, if you change the settings for other i.LINK components, the sound will be discontinued momentarily. This is not a malfunction.
The program format indicators don't disappear when SACD playback stops.	• The program format indicators remain lit until another format source is input. This is not a malfunction.
You can't get i.LINK to display when using the **SIGNAL SELECT** button.	• Make sure your i.LINK source components are switched on. • Check that i.LINK is assigned correctly.
After upgrading a component, it is not recognized and cannot be selected using the i.LINK connection.	• You may need to reset the i.LINK database memory in the receiver (use the front panel): With the receiver in standby, press ⏻ **STANDBY/ON** while holding down **RETURN**. When you see **DB CLEAR?** appear in the display, press **ENTER**, then **SETUP** again to confirm. When you've reset the i.LINK database memory, **DB CLEAR SET** shows in the display. If **DB ERROR** is displayed, step through the procedure again.

i.LINK messages

You may see the following messages displayed in the front panel display when using the i.LINK interface.

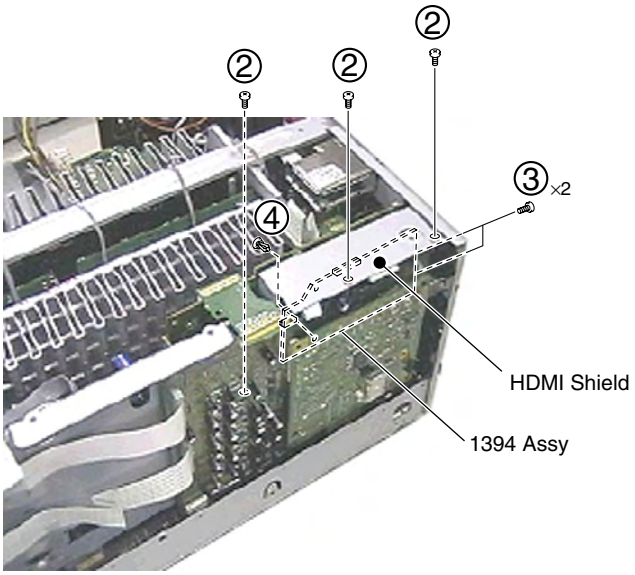
Message	Explanation
BUS FULL	The i.LINK bus has reached its capacity and cannot transmit any more data.
CANNOT LINK 1	The connection between the receiver and the selected i.LINK-equipped component is unstable. If the i.LINK cables appear to be connected properly and both the receiver and i.LINK-equipped component are on, switch both units off, then on again to re-establish the connection between them.
CANNOT LINK 2	The receiver can't identify the selected i.LINK-equipped component. For example, the receiver may not be able to identify an i.LINK-equipped personal computer.
LINK CHECK	The receiver is checking the i.LINK network. It does this when components are added to, or removed from the network. The sound may be interrupted if this happens during playback.
LOOP CONNECT	The i.LINK network cannot function because the connected components form a loop.
NO NAME	When an i.LINK-equipped component has no name, this message is displayed instead of the proper component name.
NO SIGNAL	A component is outputting an i.LINK signal that the receiver cannot reproduce. This receiver can only reproduce signals from i.LINK-Audio-equipped components.
PQLS OFF	This is displayed on a playback component when PQLS turns off during playback. The sound may be interrupted momentarily when this happens.
PQLS ON	This is displayed on a playback component when PQLS turns on during playback. The sound may be interrupted momentarily when this happens.
UNKNOWN	When an i.LINK-equipped component name cannot be recognized, this message is displayed instead of the proper component name.

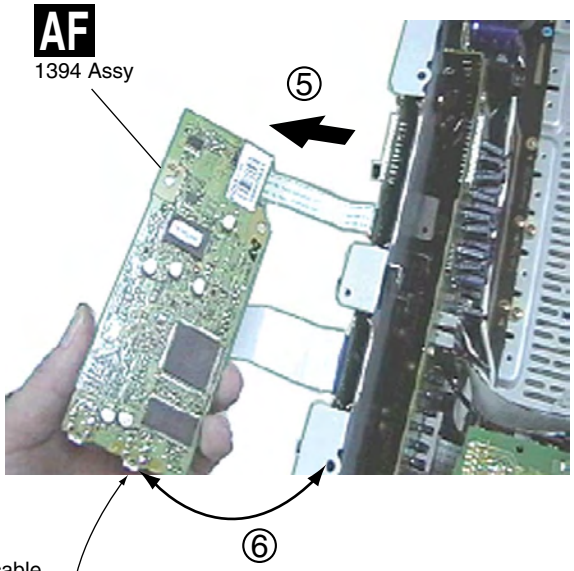
■ Preparations for diagnosis

Detach the 1394 Assy with the flexible cables (FFCs) connected, as shown in the photos below, then make a diagnosis.

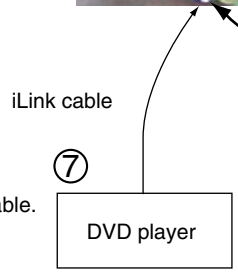
[Procedures]

① Remove the bonnet, referring to "7.1.9 DISASSEMBLY."
② Remove the HDMI shield, first removing the three screws.
③ Remove the two screws that secure the 1394 connector to the rear panel.
④ Remove the rivet that secures the 1394 Assy.
⑤ Remove the 1394 Assy.





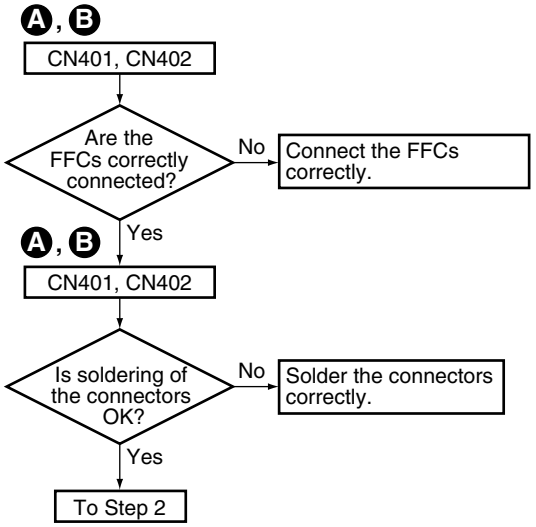
⑥ Connect a cable between the 1394 connector and the chassis.
⑦ Connect the source equipment (DVD player), using an iLink cable.



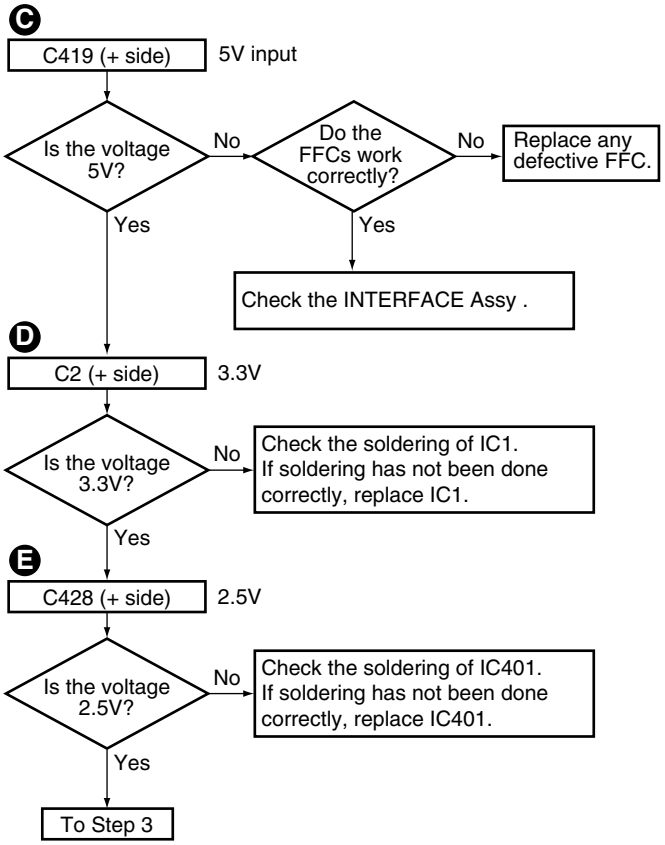
■ 1394 Assy Troubleshooting

- It is assumed that there is no loose connection or damage in the LCRs.
- There must not be an abnormality in pattern.
- The parts marked like Ⓐ are located in the "1394 Assy check points" on page 222.

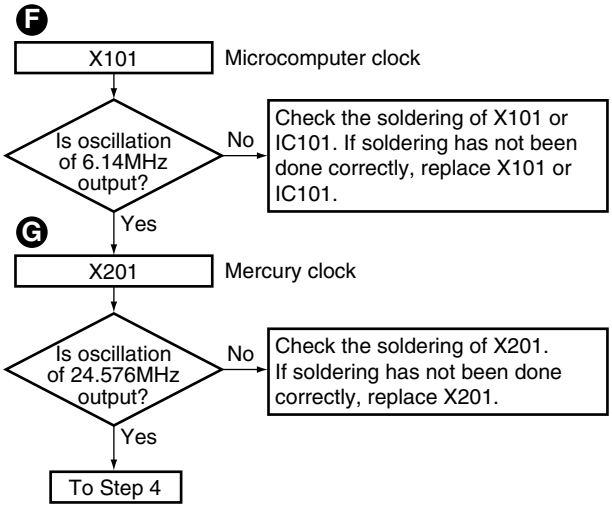
Step 1: Connections



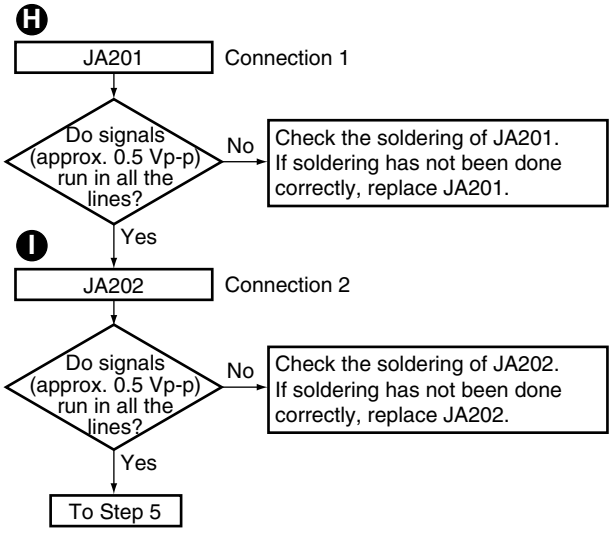
Step 2: Power supply



Step 3: Operation of the Master Clock



Step 4: Operation of the Master External I/F



Step 5:

Step 5-1 **DVD playback**
(In a case of no DVD audio output)

J
IC301 (pin 82) 60958
Is there a data ? — No → Replace the 1394 Assy.
Yes
J
IC301 (pin 2)
Is there a data ? — No → Check the soldering of IC301. If soldering has not been done correctly, replace IC301.
Yes
K
IC404 (pin 4)
Is there a data ? — No → Check the soldering of IC404. If soldering has not been done correctly, replace IC404.
Yes
Check the DIGITAL MOTHER Assy.

Step 5-2 **DVD-AUDIO playback**
(In a case of no DVD-AUDIO audio output)

J
IC301 (pins 98-103) CLK, DATA
Are there clock and data? — No → Replace the 1394 Assy.
Yes
J
IC301 (pins 3-9)
Are there clock and data ? — No → Check the soldering of IC301 and IC302. If soldering has not been done correctly, replace IC301 and IC302.
Yes
L
IC409 (pin 4)
Is there a MCK ? — No → Check the soldering of IC409. If soldering has not been done correctly, replace IC409.
Yes
Check the DIGITAL MOTHER Assy.

Step 5-3 **SACD playback**
(In a case of no SACD audio output)

M
X302 (pin 3) CLK, DATA
Is oscillation of 22.5792MHz output? — No → Check the soldering of X302. If soldering has not been done correctly, replace X302.
Yes
J
IC301 (pins 70-72, 75-81)
Are there clock and data ? — No → Replace the 1394 Assy.
Yes
J
IC301 (pins 20, 22-25, 28, 29)
Are there clock and data ? — No → Check the soldering of IC301 and IC302. If soldering has not been done correctly, replace IC301 and IC302.
Yes
To Steps 5-3-1, 5-3-2

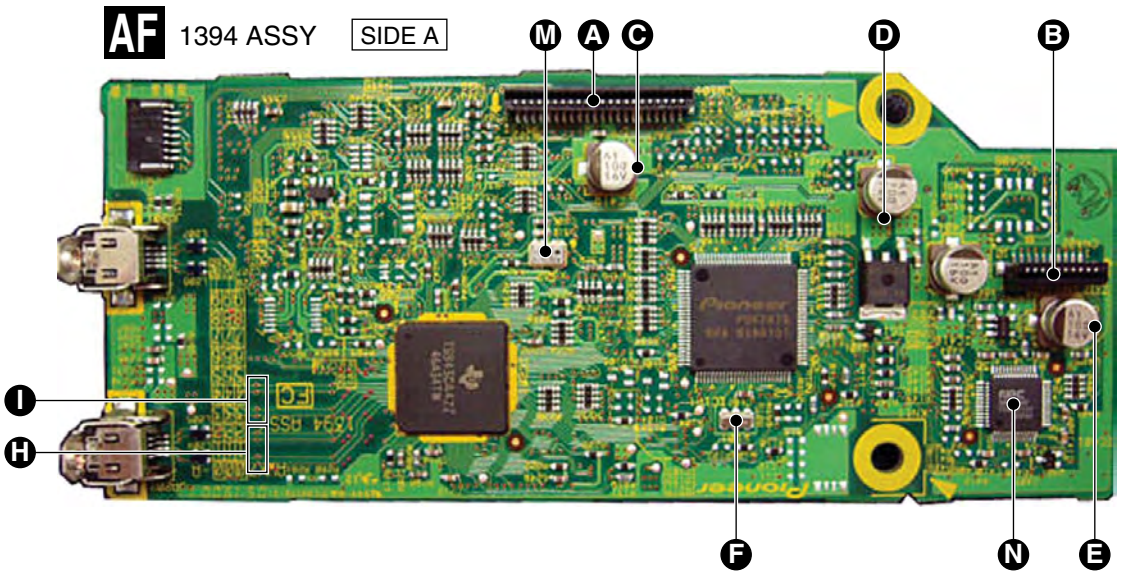
Step 5-3-1 **Normal**

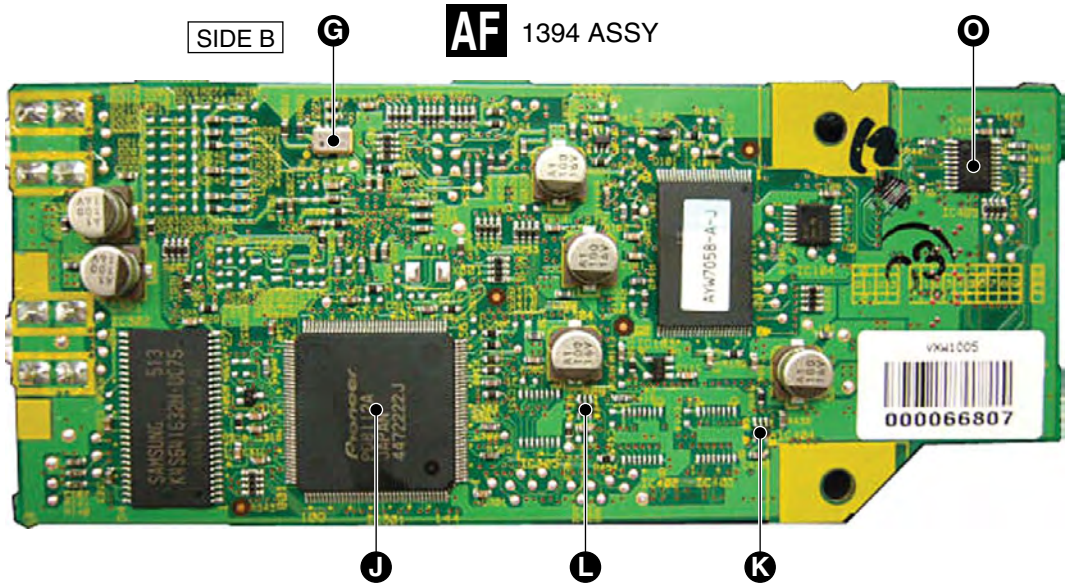
N
IC401 (pins 19-23)
Are there clock and data ? — No → Check the soldering of IC401. If soldering has not been done correctly, replace IC401.
Yes
J
IC301 (pins 3-9)
Are there clock and data ? — No → Check the soldering of IC301. If soldering has not been done correctly, replace IC301.
Yes
Check the DIGITAL MOTHER Assy.

Step 5-3-2 **SACD DIRECT**
(Select PURE DIRECT, using the AUTO SURR/STREAM DIRECT key.)

O
IC405 (pins 12-18)
Are there clock and data ? — No → Check the soldering of IC405. If soldering has not been done correctly, replace IC405.
Yes
Check the DIGITAL MOTHER Assy.

■ 1394 Assy Check Points





7.1.6 iPod INFORMATION

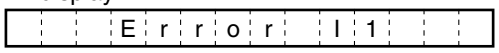
■ iPod players supported by this unit

This unit supports iPod, iPod mini, and iPod Photo players of the third or subsequent generation that have adopted the iPod Dock connector.
The iPod cable is available as parts (Part No.: ADE7119).

■ Error Messages

MONITOR OUT screen

FL display



[Cause]
There is a problem with the signal path from the iPod to the receiver.

[Measures]
Switch off the receiver and reconnect the iPod to the receiver.
If this doesn't seem to work, try resetting your iPod.

MONITOR OUT screen

FL display

[Cause]
The software version being used with the iPod needs to be updated.

[Measures]
Update the software being used with the iPod (software versions prior to iPod update 2004-10-20 are not supported).

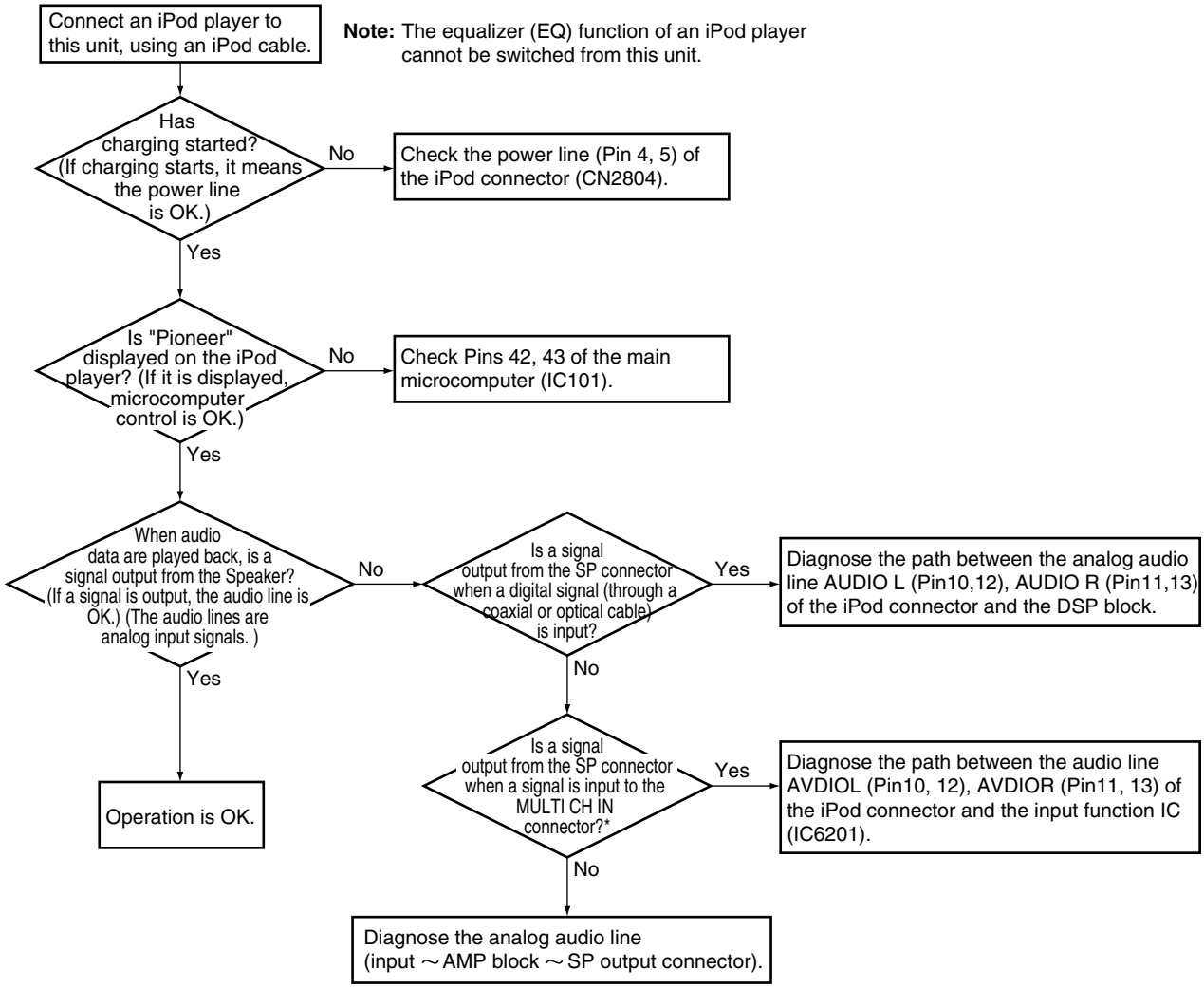
MONITOR OUT screen

FL display

[Cause]
There are no playable songs currently stored in the iPod.

[Measures]
Input some music files compatible with iPod playback.

■ Operation check of iPod functions



* The "DIGITAL PRECISION PROCESSING" indicator on the front panel light off when switching "AUTO SURR/STREAM DIRECT" button to "PURE DIRECT" or listening through the multichannel analogue inputs.

7.1.7 HOW TO UPDATE THE DSP FLASH ROM BY PLAYING BACK A CD

[Purpose]

By referring to this section, rewrite the DSP Flash ROM when required. Rewriting is instructed through service information, etc.
By playing back a CD-R on which a DSP program is recorded, using a normal CD player, rewriting is possible.

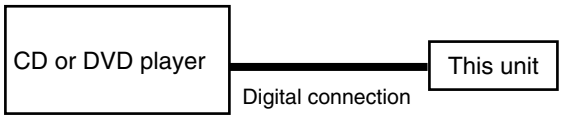
[Tools to be used]

Please use DVD plaer based on MTK system (DV-270, 370, 373, 575K, 280, 380, 383, etc.) ,Mitsubishi system (DV-59AVi, 868AVi, S969AVi, 668AVi, etc.) or Fujitsu system (DV-343, 444, 545, etc.) DO NOT use DVD player based on ST system (DV-353, 454, 250, 400, 555K, 260, 363, 464, 466, 563, etc.) The factory confirmed that DVD players based on ST system cannot send the correct data to the VSX unit using the update disc.
You can check the base system of our DVD players on the firmware version list at PSN web (Niis)

- Coaxial cable or Optical cable
- Update disc(CD-R disc)
- Headphone

[Connections]

Connect this unit and a player, as shown in the figure below.



[Preparations]

Burn the provided DSP program to a CD-R, using commercially available software for writing. It is necessary to select the writing format, "For music player", not "for PC data" format .
Note:
Depending on the writing format of the commercially available software to be used, data on a CD-R may not be used for DSP program rewriting. If the HDMI indicator does not flash when the disc is played back in the way indicated in Step 5 below, data burned on the CD-R are not appropriate. **To know whether the writing software is OK or not, play back the WMA9Pro stream stored on the last track of the disc. (Refer to "Troubleshooting" on next section.)**
If audio data are normally played back, the disc and the player can be used for updating. If audio data are not correctly played back (with noise, etc.), that writing software is not appropriate. Burn the DSP program on a CD-R disc, using other writing software.

[Note]

- **Do NOT disconnect the AC cords of this unit nor the CD/DVD player while rewriting is in progress.**
- **The "OK" indication displayed after updating means the checksum on the flash ROM is OK. If the "OK" indication is not displayed, updating has not been completed.**

Note that confirmation with audio check or version check is insufficient for checking if updating has been completed.
If you set the unit to STANDBY OFF without confirming of "OK" indication on the FL display, be sure to perform the updating procedures again.

[Procedures]

1. Reset the receiver.
   Note: Note that all the data the receiver retains will be cleared.

   Resetting the system
   Use this procedure to reset all the receiver's settings to the factory default. Use the front panel controls to do this.

   1 Switch the receiver into standby.

   2 While holding down the front panel AV PARAMETER button, press and hold STANDBY/ON for about three seconds.
   The display shows **RESET?**.

   3 Press the front panel ENTER button.
   The display shows **RESET OK?**.

   4 Press SETUP to confirm.
   OK appears in the display to indicate that the receiver has been reset to the factory default settings.
   • Note that all settings will be saved, even if the receiver is unplugged.

[Procedures]

2. Check the versions of the DSP and microcomputer.
   Check the versions by referring to "Version indication" in "7.1.1 TEST MODE."

3. Connect a CD or DVD player.
   (1) Connect the CD or DVD player to be used for updating to any digital input connector of this unit.
   (2) With the INPUT SELECTOR, select the input being used.

4. Check if the digital signal is locked (received).
   (1) Play back a stream for updating with the player.
   (2) Set the receiver to normal setting, "Signal Select" to Auto, then check on the Signal Select indicator whether the input is set to Auto and Digital.

5. Start up this unit in writing mode.
   (1) Relocate the CD playback starting point to the beginning (time: 0:00) of the track No and pause playback.
   (2) Set the volume of the receiver to - ∞ dB and set the receiver to STANDBY OFF.
   (3) Simultaneously press and hold the ↑ and VIDEO SELECT keys until "DSPF DOWNLOAD" is displayed on the FL display. The unit enters writing mode.

6. Play back the track on CD disc.
   (1) Release Pause mode of the player and play back the track where the DSP program stream signal to be burned is stored.
   (2) After 5-10 seconds, the HDMI indicator starts flashing. Be sure to check that it is flashing.
   (3) Flashing indicates that a correct stream is being received and that updating is in progress.

   Note: Do NOT turn off the unit while the HDMI indicator is flashing. If the unit is turned off, be sure to go back to Step 5. (As the Flash ROM goes into unusual status if the power is off during rewriting, the unit may not start properly.) Even in such a case, you can restore the unit by performing Steps 5 to 8.

7. Wait until rewriting is completed.
   (1) Basically, wait until "OK" is displayed on the FL display. It takes about 2 minutes for updating.
   (2) After confirming that "OK" is displayed, stop or pause the player then after 5 seconds set the player to STANDBY OFF.

8. Check the version of the program after updating.
   (1) Check the version by simultaneously pressing and holding the STANDARD SURROUND and STANDBY keys.
   (2) For confirmation, check basic operations.

■ Troubleshooting

Symptoms	Items to be checked
The HDMI indicator does not start flashing, and 10 seconds or more has elapsed after a updating stream is input.	Is DSP writing mode entered? (Simultaneously press and hold the ↑ and VIDEO SELECT keys.)
	Is DIR locked? → You can check this on the Signal Select indicator if the input is set to Auto and Digital. If DIR is not locked, check the input function and digital connections between the player and this unit.
	Is the stream (Track No., etc.) being played back correct?
	Are compressed audio signals, such as WMA, being input when or after writing mode is entered ? → As soon as the compressed audio signals are input, writing mode is exited. It is recommended that playback be paused at the beginning of the track of a updating stream then writing mode is entered by simultaneous pressing of the keys. Release Pause mode after entering of writing mode is confirmed.
	Make sure that the player being used is appropriate for updating, in the following way: • Turn the receiver off. • Connect a speaker to the front channel of the receiver. • Turn the receiver back on normally. (Normal power on, not by simultaneous pressing of the keys) • Turn the volume up moderately. • Play back the WMA9Pro stream stored on the last track of the disc. **Note:** Do not turn the volume up too much, as a large noise may be generated when this test stream is played back on some players. → If music is played back normally, that player can be used for updating. ("WMA" indication on the FL display) → If noise is output, updating cannot be done with that player. Use another player. **Tips:** The fact that PCM data can be played back or that a dts-CD can be played back does not mean that the player can be used for updating.
Writing mode is not entered upon simultaneous pressing of the ↑ and VIDEO SELECT keys.	Is the volume control of the receiver set to -∞ dB? If not, set it to -∞ dB (- - -).
	Reset the receiver then enter writing mode. **Note:** All the user data stored in the receiver are cleared when the receiver is reset.
"OK" is not displayed.	Is the track played back from the beginning to the end? → With the receiver in writing mode, be sure to play back the stream track twice.
	If an error is generated because any scratches on the disc, "OK" is not displayed. → In such a case, play back the same stream stored on another track as backup.

7.1.8 HOW TO UPDATE THE FLASH ROMS FOR VARIOUS MICROCOMPUTERS

■ HDMI, MAIN and DSP microcomputer

[Purpose]

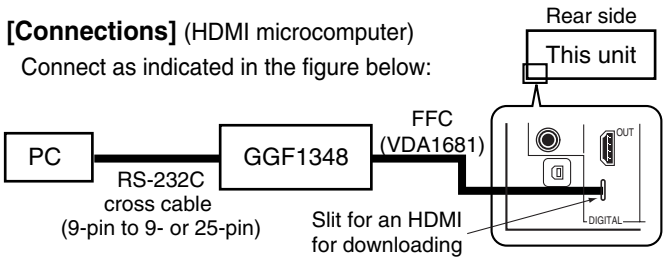
Refer to this section when updating of a Flash ROM is required by the service information, etc.

[Tools to be used]

- PC with a serial port
- RS-232C cable (9-pin to 9- or 25-pin, cross)
- Program for updating (ufu.exe)
- RS-232C I/F jig (GGF1348)
- Firmware ("mot" extension)
- 7-pin FFC (VDA1681)

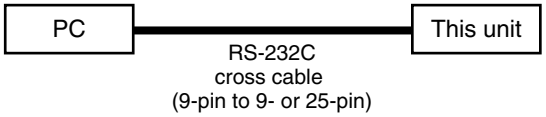
[Connections] (HDMI microcomputer)

Connect as indicated in the figure below:



[Connections] (MAIN microcomputer)
(DSP microcomputer)

Connect as indicated in the figure below:

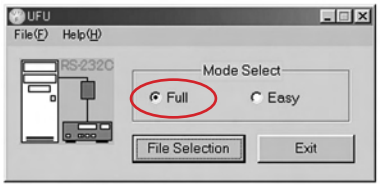


[Note]

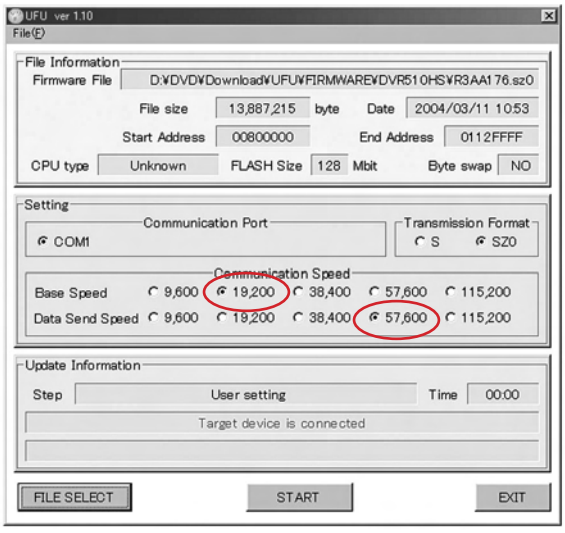
Do NOT disconnect the AC power cords of this unit nor the PC.

[Procedures]

1. Turn off the power to this unit by setting the main volume level to "---dB."
2. Connect the 232C I/F jigs and the PC, as indicated in "Connections."
3. (HDMI microcomputer) :
   Simultaneously press and hold the VSEL and ← keys for about 5 seconds.
   (MAIN microcomputer) :
   Simultaneously press and hold the VSEL and ↓ keys for about 5 seconds.
   (DSP microcomputer) :
   Simultaneously press and hold the VSEL and → keys for about 5 seconds.
4. The unit is turned on, and "HDMI DOWNLOAD", "MAIN DOWNLOAD" or "DSPM DOWNLOAD" is displayed.
5. Double-click on "ufu.exe".
6. Check that "Full" is selected in MODE SELECT.
7. Select the firm ware file with "mot" extension.
8. Select the communication speed.
   - Basic speed: 19200
   - Data transfer speed: 57600
9. Click on "START" button.
10. (HDMI microcomputer) :
    "Completed" is displayed for about 1 minutes in the"ufu.exe" window.
    (MAIN microcomputer), (DSP microcomputer) :
    "Completed" is displayed for about 3 minutes in the"ufu.exe" window.
11. Disconnect then reconnect the AC power cord of the unit. If the unit is not reset, retry from Step 2.
12. Check the version.
    Following the procedures described in "Version indication" in "7.1.1 TEST MODE," check that the version has been changed to a new one.



Check that "Full" is selected in MODE SELECT.



Select the communication speed.
- Basic speed: 19200
- Data transfer speed: 57600

7.1.9 DISASSEMBLY

Note : Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

1. Before the Power Amp Block is removed

Before the Power Amp Block is removed, discharge C4209 and C4210 on the TRANS 2-1 Assy, as indicated below.
If you don't, the IC protectors (IC4261 and IC4262) on the VH TR Assy may be open, and DC voltage may be generated at the power amplifier output, which will result in "AMP ERR."

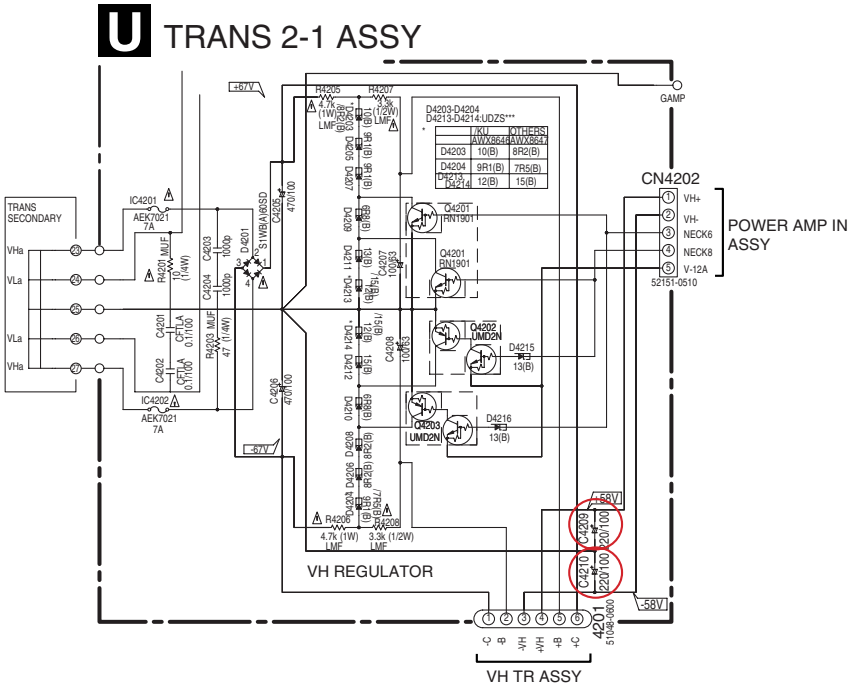
[Procedure]

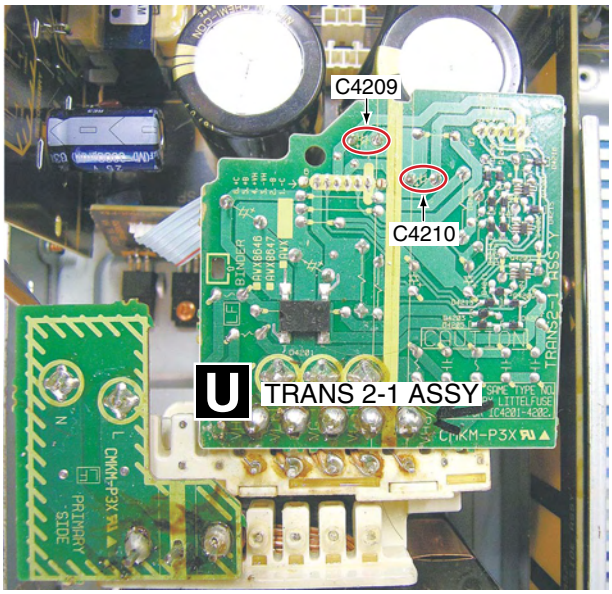
① Unplug the AC code.

② Discharge C4209 and C4210 on the TRANS 2-1 Assy.
Note: For discharging, use a load of 100Ω, 3W or more, to protect the IC protectors. Do NOT discharge instantly by short-circuiting.

③ Check that the voltage between the electrodes of each C4209 and C4210 is 1V or less.

④ Mount the Power Amp Block.

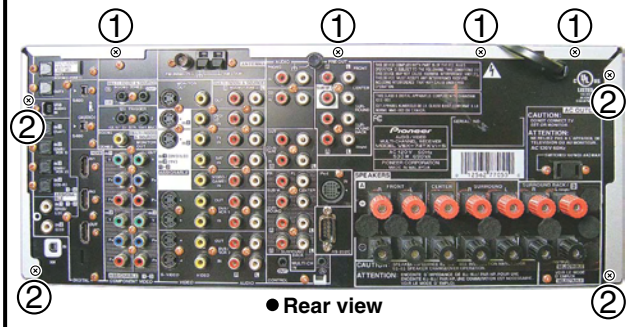




2. Disassembly

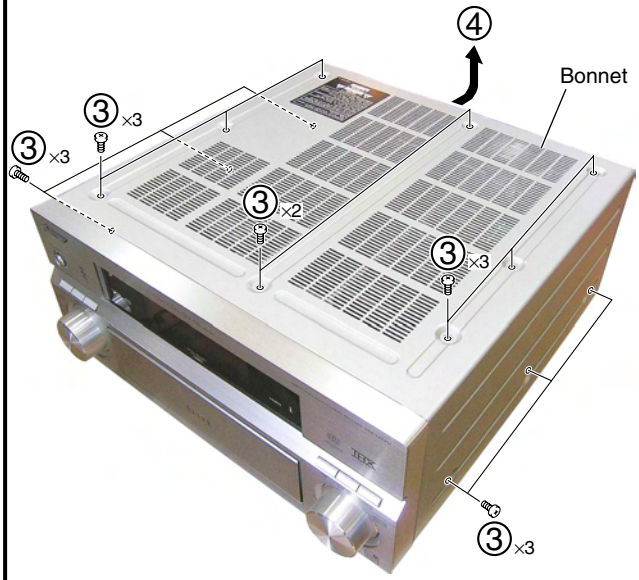
1 Bonnet

① Remove the four screws.
② Remove the four screws.



● Rear view

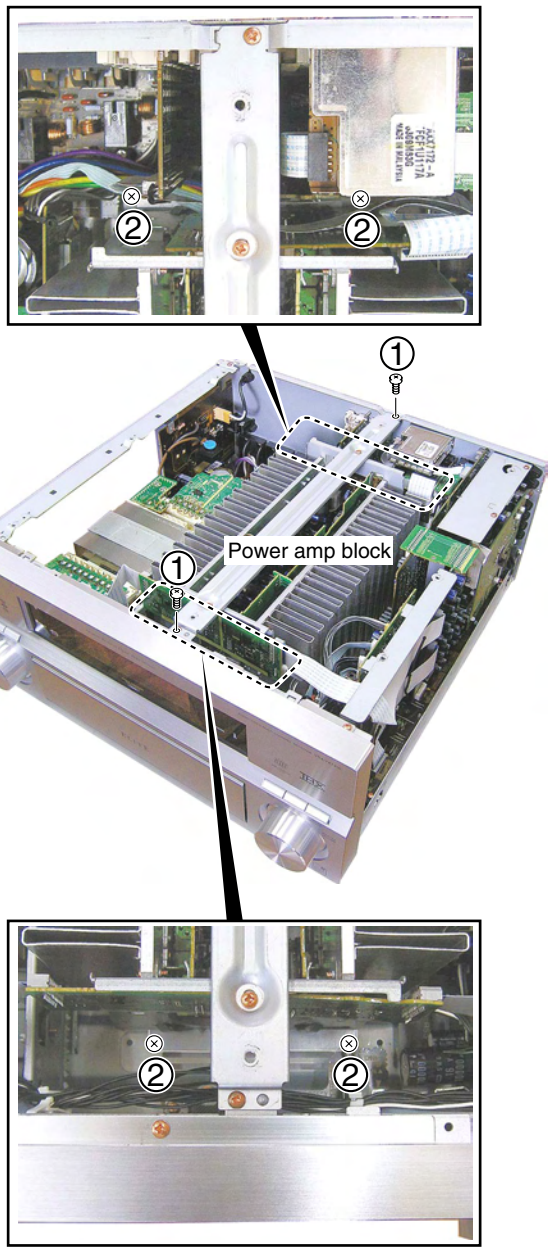
③ Remove the fourteen screws.
④ Remove the bonnet.



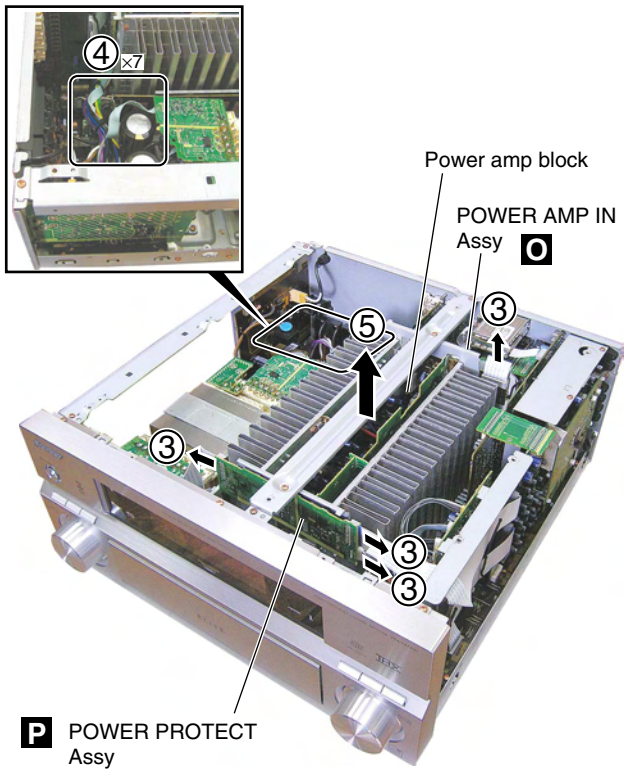
2 Power Amp Block

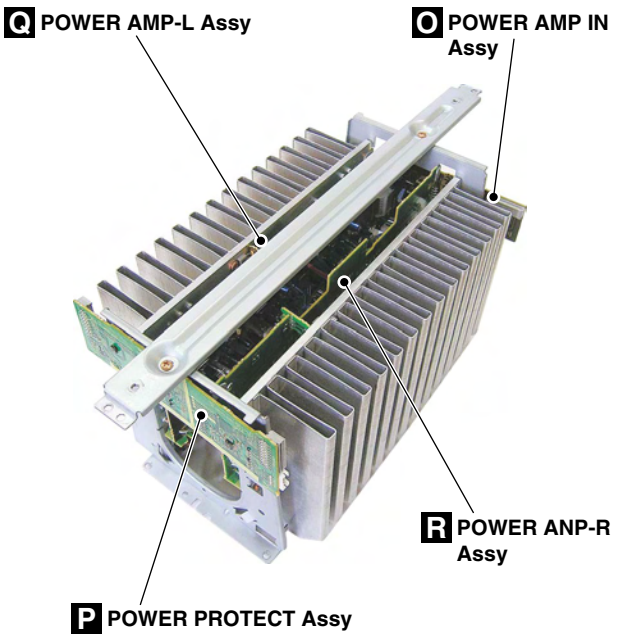
Before removing the power AMP Block, discharge C4209 and C4210 on TRANS 2-1 Assy.
Refer to "1. Before the Power AMP Block is removed".

① Remove the two screws.
② Remove the four screws.



③ Disconnect the three flexible cables and one connector.
④ Disconnect the six connectors and one jumper.
⑤ Remove the power amp block.

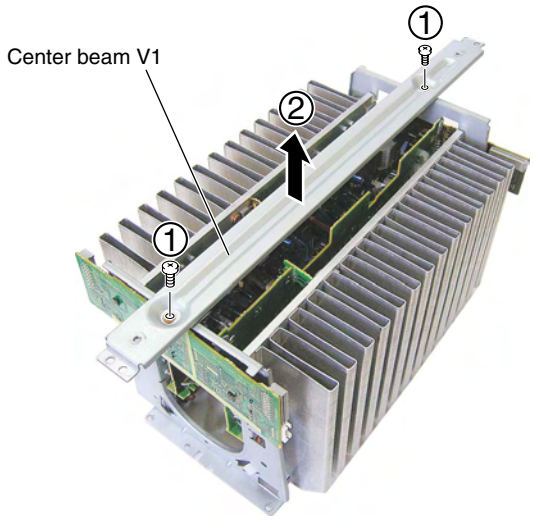




3 Replacing the Power Transistor

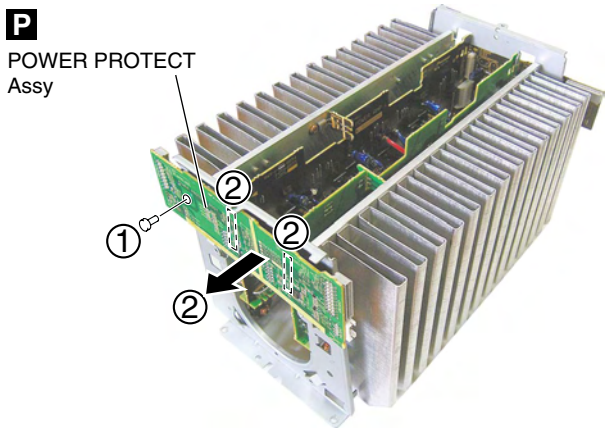
• Center Beam V1

① Remove the two screws.
② Remove the center beam V1.



• POWER PROTECT Assy

① Remove the one nylon rivet.
② Remove the POWER PROTECT Assy by removing the two connectors.

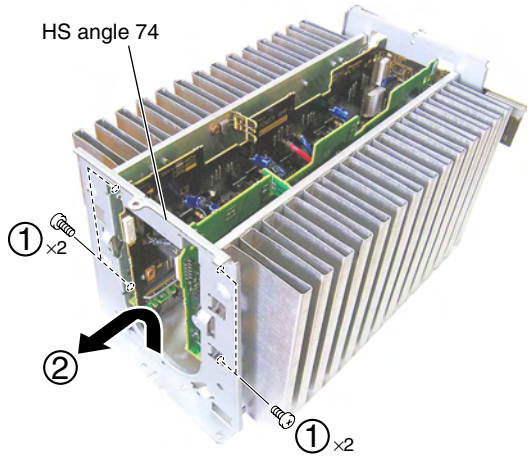


A

• HS Angle 74

① Remove the four screws.

② Remove the HS angle 74.



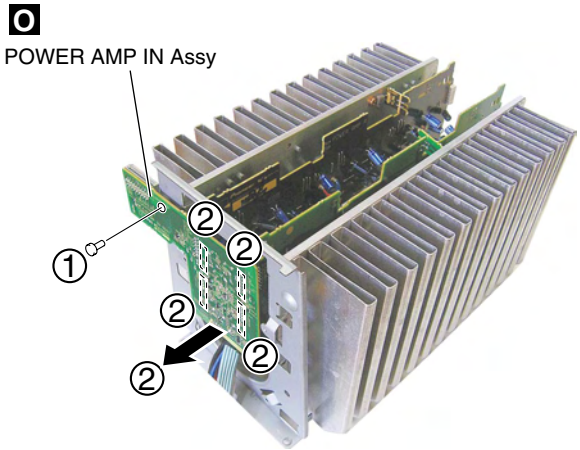
B

C

• POWER AMP IN Assy

① Remove the one nylon rivet.

② Remove the POWER AMP IN Assy by removing the four connectors.



D

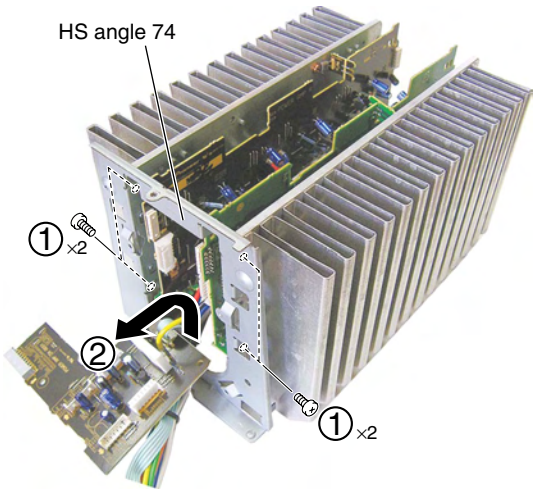
E

F

• HS Angle 74

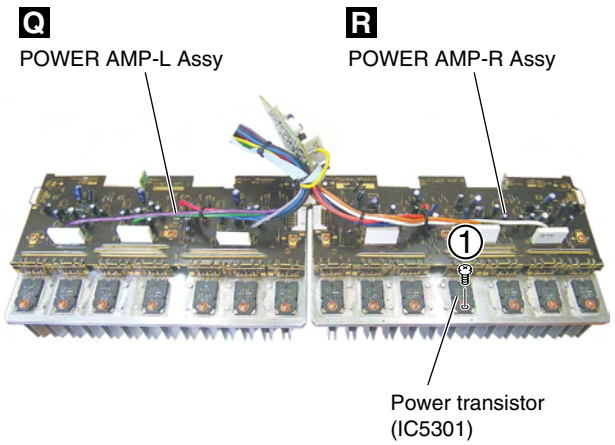
① Remove the four screws.

② Remove the HS angle 74.



• Replacing the Power Transistor

① Remove the screw.

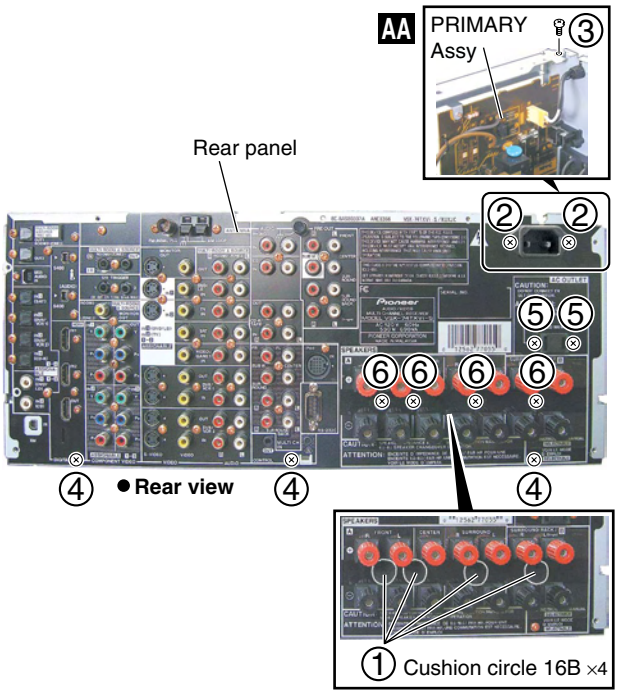


Replace

4 Replacing the HDMI & DVC ASSY

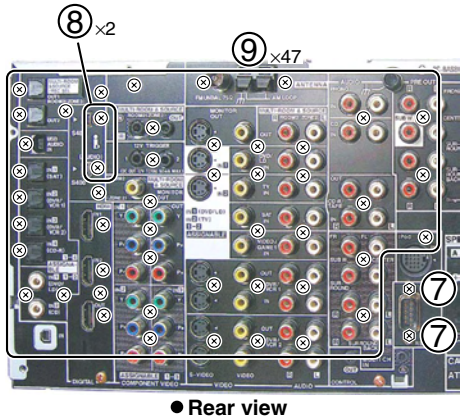
• Rear Panel

① Remove the four cushion circle 16Bs.
② Remove the two screws and the AC Inlet Assy.
③ Remove the screw.
④ Remove the three screws.
⑤ Remove the two screws.
⑥ Remove the four screws.



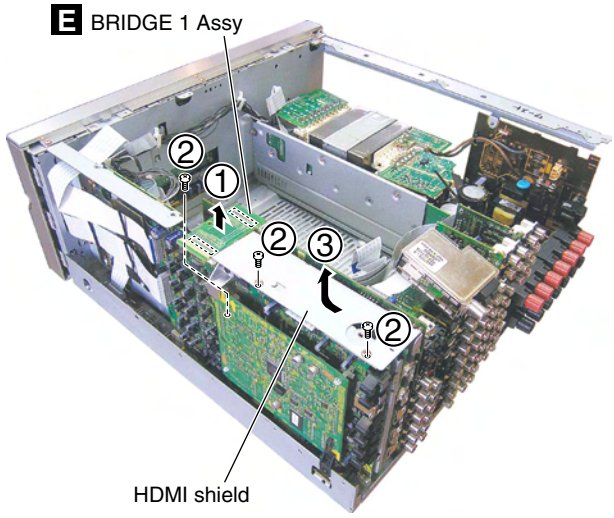
⑦ Remove the two screws.
⑧ Remove the two screws. (VSX-AX4AVi-S only)
⑨ Remove the 47 screws.
⑩ Remove the rear panel.

(VSX-AX4AVI-S only)



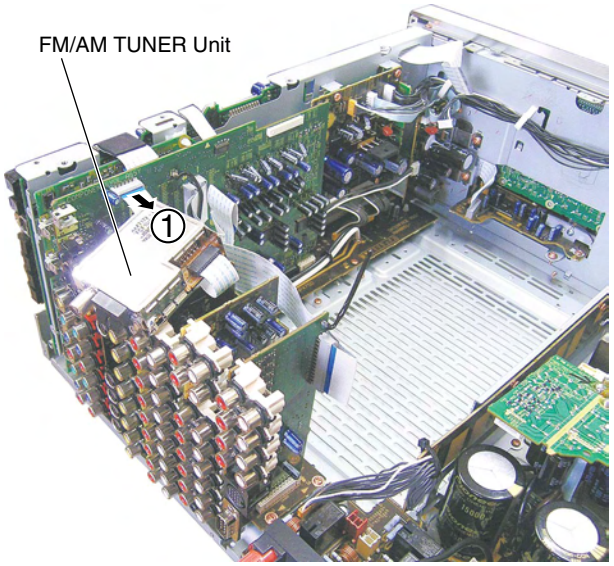
• HDMI Shield

① Remove the BRIDGE 1 Assy by removing the two connectors.
② Remove the three screws.
③ Remove the HDMI shield.



• FM/AM TUNER Unit

① Remove the FM/AM TUNER Unit by removing the one flexible cable.



A

B

C

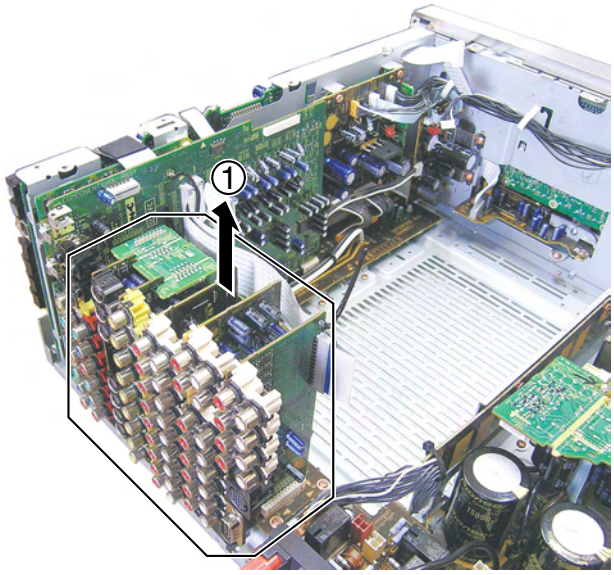
D

E

F

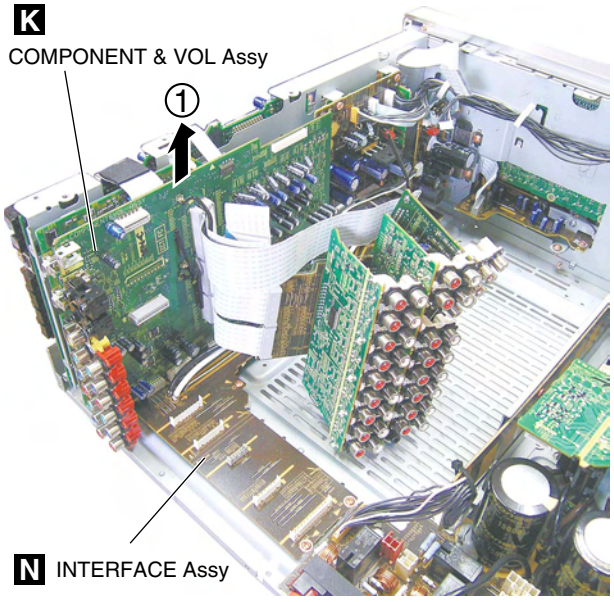
• PCB Assys

① Remove the PREOUT & CONTROL, AUDIO & MULTI CH IN, V-AUDIO, COMPOSITE V, S VIDEO, BRIDGE 2 and BRIDGE 3 Assys from the INTERFACE Assy.



• COMPONENT & VOL Assy

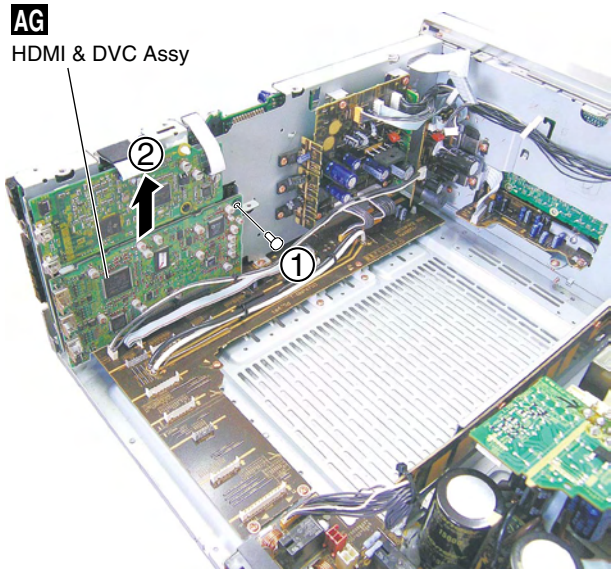
① Remove the COMPONENT & VOL Assy from the INTERFACE Assy.



• HDMI & DVC Assy

① Remove the nyron rivet.

② Remove the HDMI & DVC Assy from the INTERFACE Assy.



Replace

5 Replacing the INTERFACE ASSY

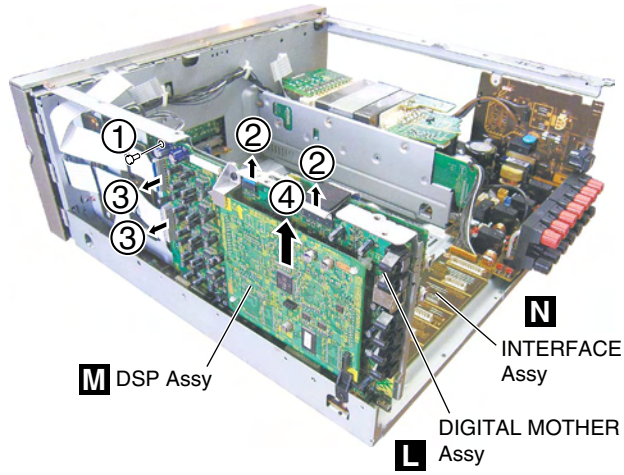
• DIGITAL MOTHER Assy

① Remove the nyron rivet.

② Disconnect the two flexible cables. (VSX-AX4AVi-S only)

③ Disconnect the two flexible cables.

④ Remove the DIGITAL MOTHER Assy with DSP Assy from the INTERFACE Assy.

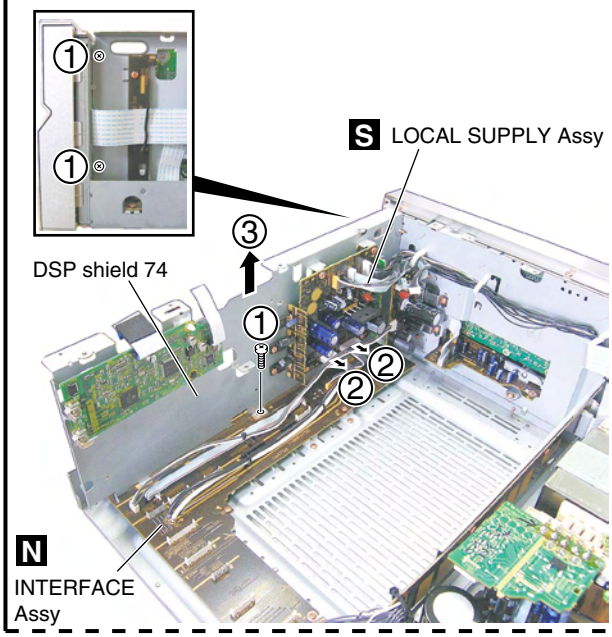


• DSP Shield 74

① Remove the three screws.

② Disconnect the two connectors.

③ Remove the DSP shield 74.

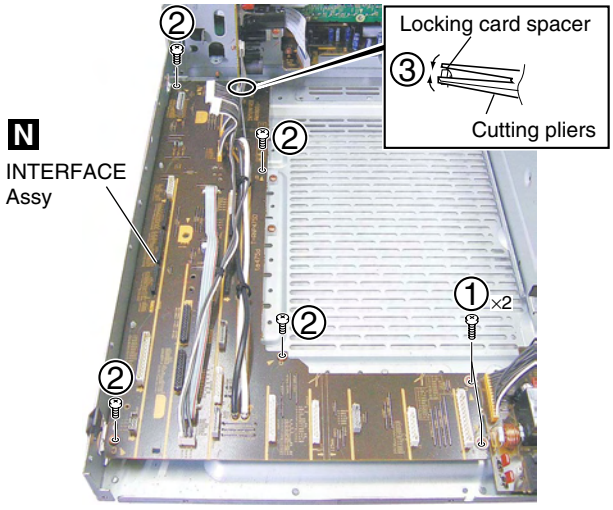


• INTERFACE Assy

① Remove the two screws.

② Remove the four screws.

③ Release the locking card spacer.



④ Remove the INTERFACE Assy.

Replace

7.1.10 HOW TO DIAGNOSE THE PRODUCT WITH THE POWER AMP BLOCK REMOVED

The failure in the Power Amp Block is suspected as shown in the table below.

Symptom that is highly suspected to be caused by a failure in the Power Amp Block	Possible cause
① The power cannot be turned on, and the MCACC LED is flashing.	The DC detection circuit is activated in order to prevent extension of the failure. **Note:** See "7.1.11 Failure Diagnosis of the Power Amp Block."
② The unit is shut down after "AMP ERR" is displayed on the FL display. Then the unit goes into the state described in ① above.	
③ "OVER HEAT" is displayed on the FL display.	The posistors (TH5001 and TH5301) in the Power Amp Block are open. **Note:** The resistance of the thermistor at normal temperature is about 330 ohms.
④ The unit is shut down without an error message on the FL display. Then the PHASE CONTROL LED flashes.	Power Amp overloaded, defective overload-detection circuit in the Power Amp Block, etc.

Failure diagnosis with the power on is not possible for some board assys, because the large Power Amp Block lies in the way. However, if the Power Amp Block is removed, the thermistor connected to the Power Amp Block is disconnected, which will activate the protection circuits.

To enable failure diagnosis of those board assys, after the Power Amp Block is removed in the manner described below.

[Procedures]

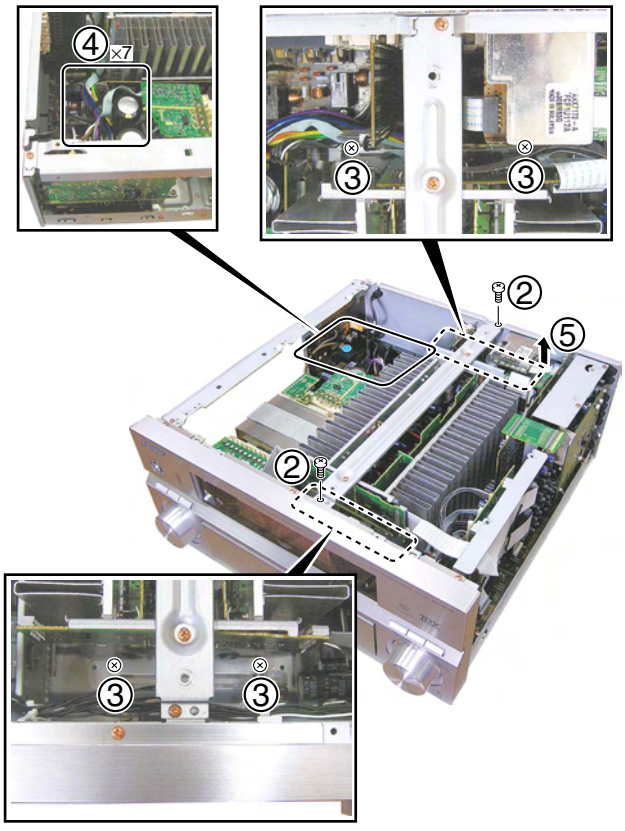
① Remove the bonnet by removing the 22 screws.

② Remove the two screws.

③ Remove the four screws.

④ Disconnect the six connectors and one jumper.

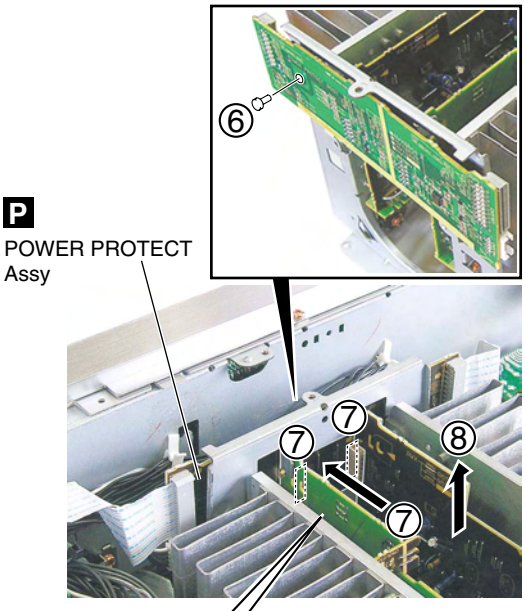
⑤ Disconnect the flexible cable.



⑥ Remove the nylon rivet.

⑦ Remove the POWER PROTECT Assy from the Power Amp Block.

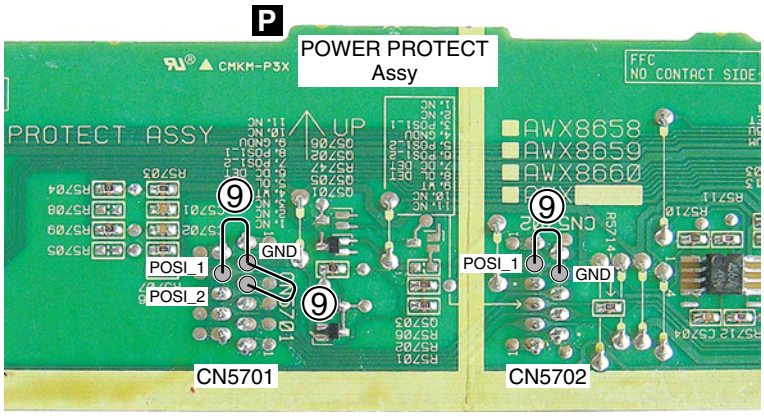
⑧ Remove the Power Amp Block.



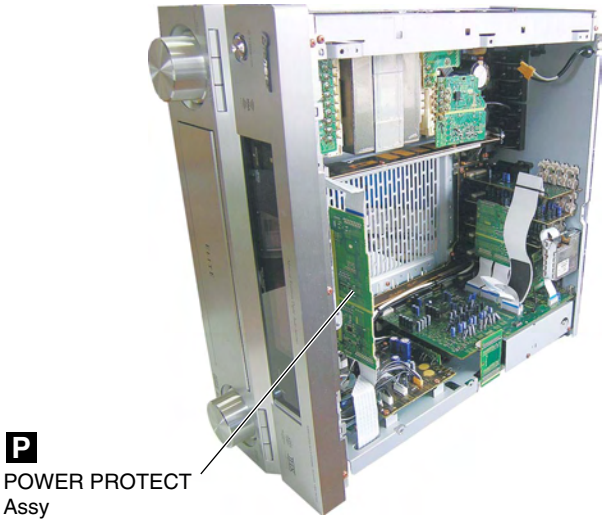
The POWER PROTECT Assy can be easily removed with no load applied to the connectors if you pull out the board by pushing on it at its center from the rear.

Note:
To prevent an electric shock hazard, after removing the Heat Sink Block, discharge the condenser of the ±VL line, by discharging CN4101 or CN4102 on the SP/PS Assy, using a discharging resistor. (It is recommended to make a resistance of 100 ohms or more in the series-parallel connection, using four or more discharging resistors of 100 ohms, 3 W.)

⑨ Short circuit between pin8 (POSI_1) and pin 9 (GND), between pin7 (POSI_2) and pin 9 (GND) of CN5701 of the POWER PROTECT Assy, and Pin 3 (POSI_1) and pin 4 (GND) of CN5702 .



⑩ Turn the power on. (The power is on without the protection circuits activated.)



Diagnose

⚠ Warning: Before putting the Power Amp Block back

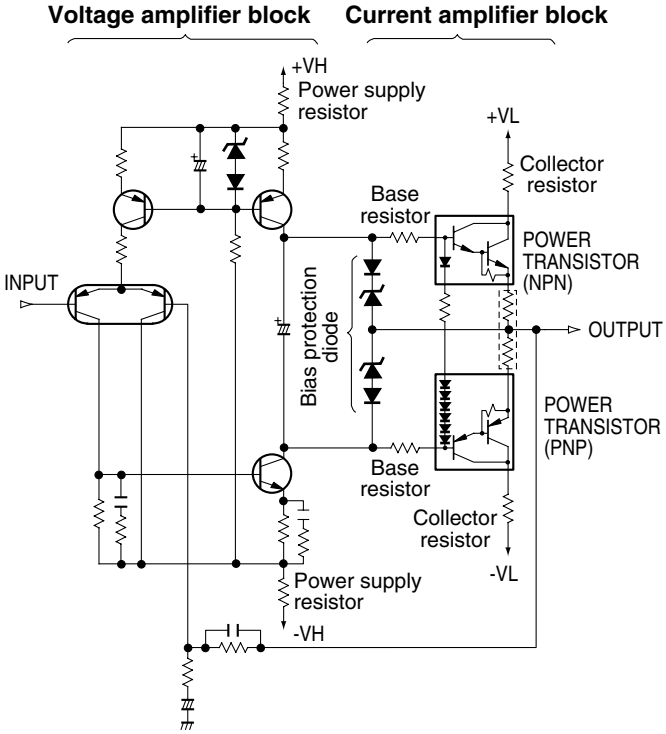
After performing a diagnosis, be sure to remove the solders at short circuit points. Also, be sure to discharge the electric charges of the VH line (charges of the electrolytic condenser) before putting the Power Amp Block back. (See "1. Before the Power Amp Block is removed.")

Note: If you connect the connectors without discharging, some parts, such as a resistor or Fuse IC on VH line, may be damaged by the inrushing current.

7.1.11 FAILURE DIAGNOSIS OF THE POWER AMP BLOCK

If "AMP ERR" flashes on the FL display immediately after the power is turned on, then the unit is shut down, the power amplifier block is damaged, and DC voltage is output. In this case, either or both of the current and voltage amplifier block(s) is(are) damaged. Herein is described how to diagnose which block is in failure.

Most cases of damage in the power amplifier block are damage on the power transistor caused by excess power consumption, such as short-circuiting of the speaker terminals and use of low-impedance speakers that are not guaranteed. The failure diagnosis is therefore conducted on the current amplifier block first, then on the voltage amplifier block.



Notes:

- During diagnosis of the amplifier block with the power on, if you touch a high-impedance circuit (in particular, both ends of 100-ohm base resistance of the power transistor) with the probe of an oscilloscope or a tester, the circuit may be damaged by oscillation of an oscilloscope or a tester.
- While a failure diagnosis is being conducted with the power on, do NOT touch parts other than the power, input, and output blocks.
- Only the points with CP (check point) marks in the schematic diagram can be diagnosed while the power is on.

1. Damage on the current amplifier block

Check of the power transistor and collector resistance of each channel, using a tester

Tips:

In most cases where the current amplifier block is damaged by an excess power consumption of the power transistor, damage is caused by short-circuiting between the collector and emitter. The collector resistor is open because of large collector current.
In this case, the channel in failure can be identified by checking on which channel the resistance between C and E of the power transistor is 0 Ω (some hundreds of ohms or less) and the resistor of collector resistor is ∞ Ω. As a damage scar appears on the surface of the part when the collector resistor is open, you can also check it by visual inspection.

Note:

Even if the result of the measurement of resistance with the tester shows that the power transistor is not short-circuited, that power transistor may be damaged if the paired push-pull power transistor has been damaged. Therefore, it is recommended to replace both parts when either needs to be replaced.

2. Damage on the voltage amplifier block

Check of the base resistance (100 Ω) and Power supply (±VH) resistor (4.7 Ω) of each channel, using a tester

Tips:

In most cases, the voltage amplifier block is damaged by oscillation generated by a special load connection, a large-amplitude output at higher frequencies out of the audible range, or an influence of damage on the current amplifier block (power transistors). In many cases, the base resistance (100 Ω) is damaged. It is necessary to check each part of the voltage amplifier block, as damage may have been extended to other parts.
In most cases, the resistors are open/damaged, or the transistors or diodes are short-circuited/damaged.

- The resistors must not be open (the resistance must not be higher than the indicated value).
- The terminals of transistors or diodes must not be short-circuited (the resistance must not be extremely low). (If the resistance is low but you are not sure if it is extremely low, compare the value with that of the normal channel.)

If the voltage amplifier block is damaged, Power supply (±VH) resistor (4.7 Ω) may also be damaged.

3. Other damage

Check of the bias protection diodes

Tips:

If the power amplifier is damaged, the bias protection diodes may be deteriorated or open.
For a channel that has been diagnosed to be in failure, the Vf (forward descending voltage) of the four diodes must be checked to confirm that they are not deteriorated or open, using a tester, after repair of the amplifier. If these diodes are deteriorated, its distortion/frequency characteristics may be affected. If these diodes are open, the scale of damage on the power transistors may be extended if any abnormality is generated in the amplifier next time.

■ Operating temperature of the posistor assembling to the heat sink

	No.	Part No.	Operating temperature	Purpose	Operation
POS1L	TH5001	PTFM04BH222Q2N34B0	60 ºC	FAN control	FAN activation at more than 60 ºC
POS1R	TH5301	PTFM04BH222Q2N34B0	60 ºC	FAN control	FAN activation at more than 60 ºC
POS2	TH5002	PTFM04BD222Q2N34B0	100 ºC	Detection of abnormal temperature	OVERHEAT perform at more than 100 ºC

* Operating temperature is body temperature of the posistor (the metal part).

7.2 PARTS

7.2.1 IC

• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

● **List of IC**

IC101(ADSP-21266SKSTZ-2D), IC104(TC7W139FU), IC106(CY7C1049CV33-12VXC), IC101(PEG116A), IC103,IC2281,IC2282,IC203,IC211(CD4094BPW), IC2640,IC2407,IC2008,IC2009(CD4094BNS), IC201(PEG117A), IC304,IC305,IC318(SN74LVC1G97DCK), IC101(SiI9031CTU) IC301(SiI9030CTU), IC401(ADV7400AKSTZ-80), IC501(PEG118A), IC3201(PE5503A), IC2007(PDC131A)

■ ADSP-21266SKSTZ-2D (DSP ASSY: IC101)

• DSP IC

● **Pin Function**

No.	Pin Name	I/O	Pin Function
1	VDDINT	–	Core power supply (+1.2V)
2	CLKCFG0	I	Core/CLKIN ratio control
3	CLKCFG1	I	Core/CLKIN ratio control
4	BOOTCFG0	I	Boot configuration select
5	BOOTCFG1	I	Boot configuration select
6	GND	–	Power supply return
7	VDDEXT	–	I/O power supply (+3.3V)
8	GND	–	Power supply return
9	VDDINT	–	Core power supply (+1.2V)
10	GND	–	Power supply return
11	VDDINT	–	Core power supply (+1.2V)
12	GND	–	Power supply return
13	VDDINT	–	Core power supply (+1.2V)
14	GND	–	Power supply return
15	FLAG0	I/O	Flag pin
16	FLAG1	I/O	Flag pin
17	AD7	I/O	Parrallel port address/Data
18	GND	–	Power supply return
19	VDDINT	–	Core power supply (+1.2V)
20	GND	–	Power supply return
21	VDDEXT	–	I/O power supply (+3.3V)
22	GND	–	Power supply return
23	VDDINT	–	Core power supply (+1.2V)
24	AD6	I/O	Parrallel port address/Data
25	AD5	I/O	Parrallel port address/Data
26	AD4	I/O	Parrallel port address/Data
27	VDDINT	–	Core power supply (+1.2V)
28	GND	–	Power supply return
29	AD3	I/O	Parrallel port address/Data
30	AD2	I/O	Parrallel port address/Data
31	VDDEXT	–	I/O power supply (+3.3V)
32	GND	–	Power supply return
33	AD1	I/O	Parrallel port address/Data
34	AD0	I/O	Parrallel port address/Data
35	$\overline{WR}$	I	Parallel port write enable
36	VDDINT	–	Core power supply (+1.2V)
37	VDDINT	–	Core power supply (+1.2V)
38	GND	–	Power supply return
39	$\overline{RD}$	O	Parallel port read enable
40	ALE	I	Parallel port address latch enable
41	AD15	I/O	Parrallel port address/Data
42	AD14	I/O	Parrallel port address/Data
43	AD13	I/O	Parrallel port address/Data
44	GND	–	Power supply return
45	VDDEXT	–	I/O power supply (+3.3V)
46	AD12	I/O	Parrallel port address/Data

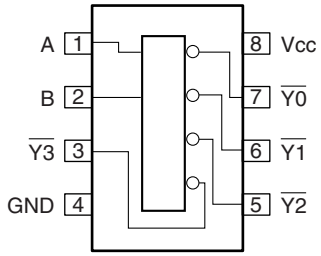
No.	Pin Name	I/O	Function
47	VDDINT	–	Core power supply (+1.2V)
48	GND	–	Power supply return
49	AD11	I/O	Parrallel port address/Data
50	AD10	I/O	Parrallel port address/Data
51	AD9	I/O	Parrallel port address/Data
52	AD8	I/O	Parrallel port address/Data
53	DAI_P1 (SD0A)	I/O	Digital audio interface
54	VDDINT	–	Core power supply (+1.2V)
55	GND	–	Power supply return
56	DAI_P2 (SD0B)	I/O	Digital audio interface
57	DAI_P3 (SCLK0)	I/O	Digital audio interface
58	GND	–	Power supply return
59	VDDEXT	–	I/O power supply (+3.3V)
60	VDDINT	–	Core power supply (+1.2V)
61	GND	–	Power supply return
62	DAI_P4 (SFS0)	I/O	Digital audio interface
63	DAI_P5 (SD1A)	I/O	Digital audio interface
64	DAI_P6 (SD1B)	I/O	Digital audio interface
65	DAI_P7 (SCLK1)	I/O	Digital audio interface
66	VDDINT	–	Core power supply (+1.2V)
67	GND	–	Power supply return
68	VDDINT	–	Core power supply (+1.2V)
69	GND	–	Power supply return
70	DAI_P8 (SFS1)	I/O	Digital audio interface
71	DAI_P9 (SD2A)	I/O	Digital audio interface
72	VDDINT	–	Core power supply (+1.2V)
73	VDDEXT	–	I/O power supply (+3.3V)
74	GND	–	Power supply return
75	VDDINT	–	Core power supply (+1.2V)
76	GND	–	Power supply return
77	DAI_P10 (SD2B)	I/O	Digital audio interface
78	DAI_P11 (SD3A)	I/O	Digital audio interface
79	DAI_P12 (SD3B)	I/O	Digital audio interface
80	DAI_P13 (SCLK23)	I/O	Digital audio interface
81	DAI_P14 (SFS23)	I/O	Digital audio interface
82	DAI_P15 (SD4A)	I/O	Digital audio interface
83	VDDINT	–	Core power supply (+1.2V)
84	GND	–	Power supply return
85	GND	–	Power supply return
86	DAI_P16 (SD4B)	I/O	Digital audio interface
87	DAI_P17 (SD5A)	I/O	Digital audio interface
88	DAI_P18 (SD5B)	I/O	Digital audio interface
89	DAI_P19 (SCLK45)	I/O	Digital audio interface
90	VDDINT	–	Core power supply (+1.2V)
91	GND	–	Power supply return
92	GND	–	Power supply return
93	VDDEXT	–	I/O power supply (+3.3V)
94	DAI_P20 (SFS45)	I/O	Digital audio interface
95	GND	–	Power supply return

No.	Pin Name	I/O	Function
96	VDDINT	–	Core power supply (+1.2V)
97	FLAG2	I/O	Flag pin
98	FLAG3	I/O	Flag pin
99	VDDINT	–	Core power supply (+1.2V)
100	GND	–	Power supply return
101	VDDINT	–	Core power supply (+1.2V)
102	GND	–	Power supply return
103	VDDINT	–	Core power supply (+1.2V)
104	GND	–	Power supply return
105	VDDINT	–	Core power supply (+1.2V)
106	GND	–	Power supply return
107	VDDINT	–	Core power supply (+1.2V)
108	VDDINT	–	Core power supply (+1.2V)
109	GND	–	Power supply return
110	VDDINT	–	Core power supply (+1.2V)
111	GND	–	Power supply return
112	VDDINT	–	Core power supply (+1.2V)
113	GND	–	Power supply return
114	VDDINT	–	Core power supply (+1.2V)
115	GND	–	Power supply return
116	VDDEXT	–	I/O power supply (+3.3V)
117	GND	–	Power supply return
118	VDDINT	–	Core power supply (+1.2V)
119	GND	–	Power supply return
120	VDDINT	–	Core power supply (+1.2V)
121	$\overline{\text{RESET}}$	I	Processor reset
122	$\overline{\text{SPIDS}}$	I	Serial peripheral interface slave device select
123	GND	–	Power supply return
124	VDDINT	–	Core power supply (+1.2V)
125	SPICLK	I/O	Serial peripheral interface clock signal
126	MISO	I/O	SPI master in slave out
127	MOSI	I/O	SPI master out slave in
128	GND	–	Power supply return
129	VDDINT	–	Core power supply (+1.2V)
130	VDDEXT	–	I/O power supply (+3.3V)
131	AVDD	–	Analog power supply (+1.2V)
132	AVSS	–	Analog power supply return
133	GND	–	Power supply return
134	$\overline{\text{RSTOUT}}$/CLKOUT	O	Reset out/Local clock out
135	$\overline{\text{EMU}}$	O	Emulation status
136	TDO	O	Test data output (JTAG)
137	TDI	I	Test data input (JTAG)
138	$\overline{\text{TRST}}$	I	Test reset (JTAG)
139	TCK	I	Test clock (JTAG)
140	TMS	I	Test mode select (JTAG)
141	GND	–	Power supply return
142	CLKIN	I	Local clock in
143	XTAL	O	Crystal oscillator pin
144	VDDEXT	–	I/O power supply (+3.3V)

■ TC7W139FU (DSP ASSY : IC104)

• 2-to-4 Line Decoder

● Pin Arrangement (Top view)



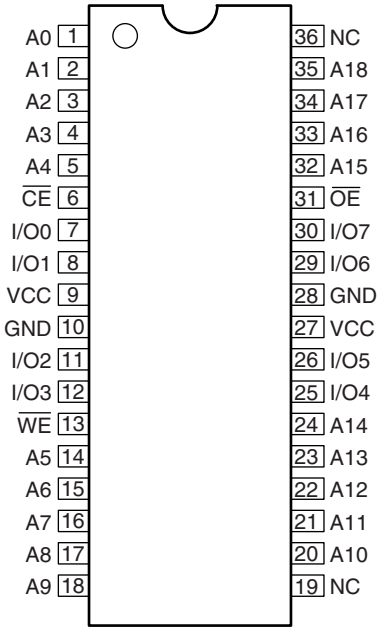
● Truth Table

Inputs		Outputs				Selected Output
Select		$\overline{Y0}$	$\overline{Y1}$	$\overline{Y2}$	$\overline{Y3}$	
B	A					
L	L	L	H	H	H	$\overline{Y0}$
L	H	H	L	H	H	$\overline{Y1}$
H	L	H	H	L	H	$\overline{Y2}$
H	H	H	H	H	L	$\overline{Y3}$

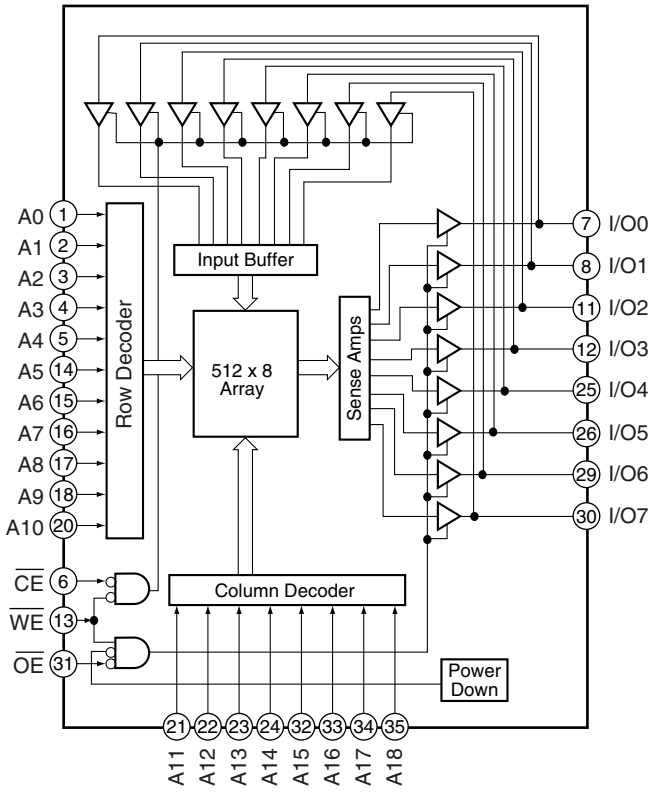
■ CY7C1049CV33-12VXC (DSP ASSY : IC106)

• 512k X 8 Static RAM

● Pin Arrangement (Top view)



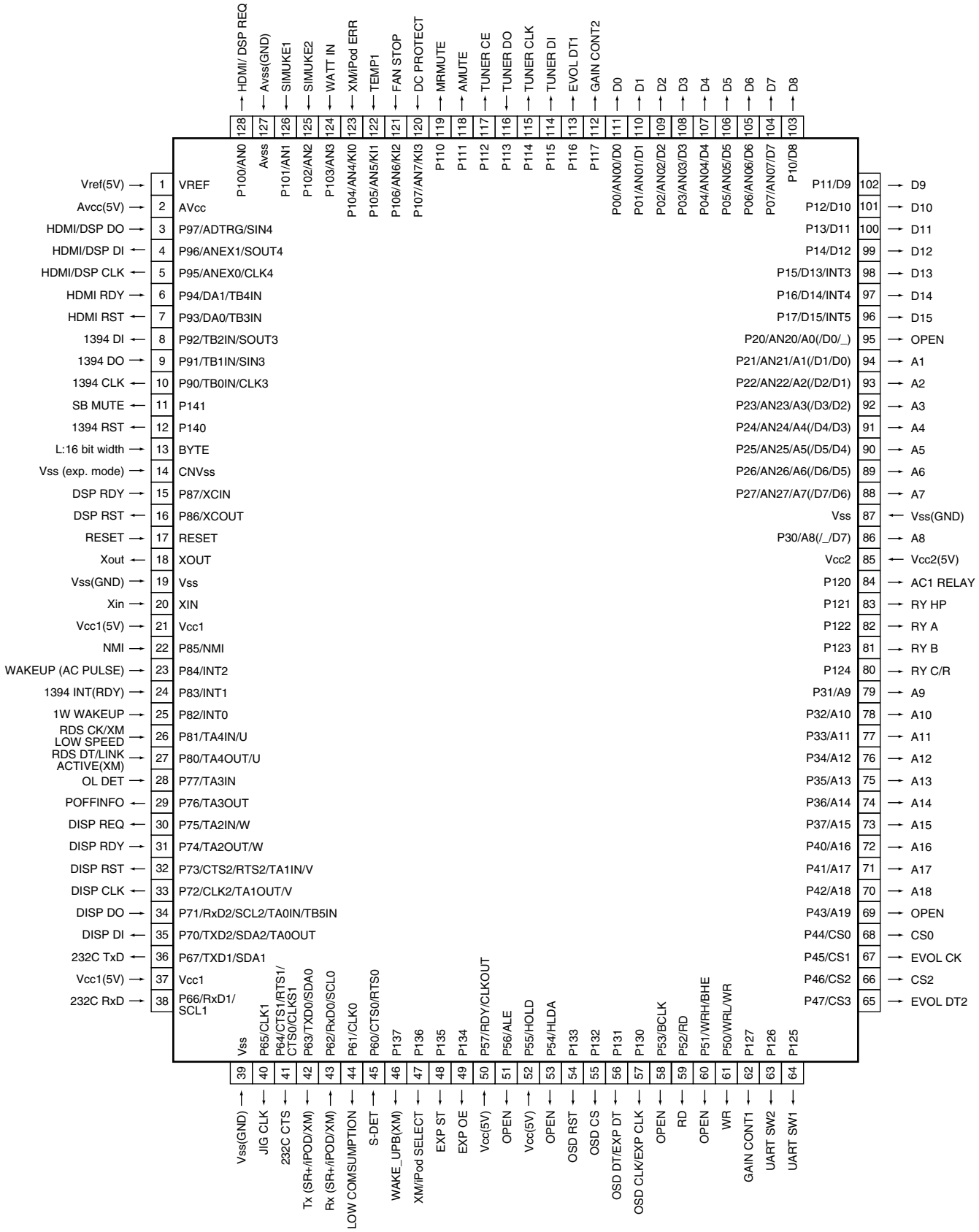
● Block Diagram



■ PEG116A (DIGITAL MOTHER ASSY : IC101)

• Main Microcomputer

● Pin Arrangement (Top view)



● Pin Function

No.	Mark	Pin Name	I/O	Pin Function
1	VREF	Vref(5V)	-	Reference voltage
2	AVcc	Avcc(5V)	-	Power supply (5V)
3	P97/ADTRG/SIN4	HDMI/DSP DO	I	Data input for HDMI/DSP microcomputer
4	P96/ANEX1/SOUT4	HDMI/DSP DI	O/L	Data output for HDMI/DSP microcomputer
5	P95/ANEX0/CLK4	HDMI/DSP CLK	O/L	Clock output for HDMI/DSP microcomputer
6	P94/DA1/TB4IN	HDMI RDY	I	Ready input for HDMI microcomputer
7	P93/DA0/TB3IN	HDMI RST	O/L	Reset output for HDMI microcomputer
8	P92/TB2IN/SOUT3	1394 DI	O/L	Communication with 1394 HOST controller
9	P91/TB1IN/SIN3	1394 DO	I	Communication with 1395 HOST controller
10	P90/TB0IN/CLK3	1394 CLK	O/L	Communication with 1396 HOST controller
11	P141	SB MUTE	O/L	Mute for SB ch (L:MUTE)
12	P140	1394 RST	O/L	Communication with 1396 HOST controller
13	BYTE	L:16 bit width		External flash bus width setting L= 16 bit, H= 8 bit.
14	CNVss	Vss(exp. mode)		Shift from single-chip mode to memory expanded mode.
15	P87/XCIN	DSP RDY	I	Communication with microcomputer Request input to the main
16	P86/XCOUT	DSP RST	O/L	Communication with DSP controller
17	RESET	RESET	I	Reset input from the main microcomputer
18	XOUT	Xout	O	Connect a ceramic resonator (15.7MHz).
19	Vss	Vss(GND)	-	Ground
20	XIN	Xin	I	Connect a ceramic resonator
21	Vcc1	Vcc1(5V)	-	Power supply(5V)
22	P85/NMI	NMI	I	-
23	P84/INT2	WAKEUP (AC PULSE)	(I)	AC pulse input
24	P83/INT1	1394 INT(RDY)	I	Communication with 1394 HOST controller
25	P82/INT0	1W WAKEUP	I	Communication with display microcomputer
26	P81/TA4IN/U	RDS CK/XM LOW SPEED	I	(RDS model) CLOCK IN/(XM) DATA IN
27	P80/TA4OUT/U	RDS DT/LINK ACTIVE(XM)	I	(RDS model) DATA IN/(XM) LINK signal
28	P77/TA3IN	OL DET	I	OVERLOAD detection (L: abnormality)
29	P76/TA3OUT	POFFINFO	O/L	Notice of power off to the DSP controller (Pull off an outlet)
30	P75/TA2IN/W	DISP REQ	O/L	Communication with display microcomputer
31	P74/TA2OUT/W	DISP RDY	I	Communication with display microcomputer
32	P73/CTS2/RTS2/TA1IN/V	DISP RST	O/H	Communication with display microcomputer
33	P72/CLK2/TA1OUT/V	DISP CLK	O/L	Communication with display microcomputer
34	P71/RxD2/SCL2/TA0IN/TB5IN	DISP DO	I	Communication with display microcomputer
35	P70/TXD2/SDA2/TA0OUT	DISP DI	O/L	Communication with display microcomputer
36	P67/TXD1/SDA1	232C TxD	O/L	RS-232C
37	Vcc1	Vcc1(5V)	-	Power supply (5V)
38	P66/RxD1/SCL1	232C RxD	I	RS-232C
39	Vss	Vss(GND)	-	Ground
40	P65/CLK1	JIG CLK		RS-232C
41	P64/CTS1/RTS1/CTS0/CLKS1	232C CTS	O/L	RS-232C
42	P63/TXD0/SDA0	Tx (SR+/iPOD/XM)	O/L	Communication with SR+/iPod/XM
43	P62/RxD0/SCL0	Rx (SR+/iPOD/XM)	I	Communication with SR+/iPod/XM
44	P61/CLK0	LOW COMSUMPTION	O/L	AMUTE power ON/OFF(ON: H)
45	P60/CTS0/RTS0	S-DET	I	S-VIDEO detection (H)
46	P137	WAKE_UPB(XM)	I	For XMDTcommunication
47	P136	XM/iPod SELECT	O/L	POD/XM path switch (iPod: L,XM: H)
48	P135	EXP ST	O/L	Communication with expansion IC
49	P134	EXP OE	O/L	Communication with expansion IC
50	P57/RDY/CLKOUT	Vcc(5V)	I	Vcc(5V)

No.	Mark	Pin Name	I/O	Pin Function
51	P56/ALE	OPEN	O/L	NC (Open at memory expanded mode)
52	P55/HOLD	Vcc(5V)	I	Vcc (5V)
53	P54/HLDA	OPEN	O/L	NC (Open at memory expanded mode)
54	P133	OSD RST	O/L	OSD communication
55	P132	OSD CS	O/L	OSD communication
56	P131	OSD DT/EXP DT	O/L	OSD communication & expansion IC communication
57	P130	OSD CLK/EXP CLK	O/L	OSD communication & expansion IC communication
58	P53/BCLK	OPEN	O/L	NC (Open at memory expanded mode)
59	P52/RD	RD	O/L	FLASH MEMORY I/F READ
60	P51/WRH/BHE	OPEN	O/L	FLASH MEMORY I/F WRITE
61	P50/WRL/WR	WR	O/L	FLASH MEMORY I/F WRITE
62	P127	GAIN CONT1	O/L	ANALOG GAIN CONTROL
63	P126	UART SW2	O/L	L: SR+ path, H: Select iPod or XM path
64	P125	UART SW1	O/L	L: DSP microcomputer path, H: Select HDMI microcomputer path
65	P47/CS3	EVOL DT2	O/L	Electronic VOL & function IC communication
66	P46/CS2	CS2	O/L	Electronic VOL & function IC communication
67	P45/CS1	EVOL CK	O/L	Electronic VOL & function IC communication
68	P44/CS0	CS0	O/L	FLASH MEMORY CE control
69	P43/A19	OPEN	O/L	Address output of FLASH MEMORY communication
70	P42/A18	A18	O/L	Address output of FLASH MEMORY communication
71	P41/A17	A17	O/L	Address output of FLASH MEMORY communication
72	P40/A16	A16	O/L	Address output of FLASH MEMORY communication
73	P37/A15	A15	O/L	Address output of FLASH MEMORY communication
74	P36/A14	A14	O/L	Address output of FLASH MEMORY communication
75	P35/A13	A13	O/L	Address output of FLASH MEMORY communication
76	P34/A12	A12	O/L	Address output of FLASH MEMORY communication
77	P33/A11	A11	O/L	Address output of FLASH MEMORY communication
78	P32/A10	A10	O/L	Address output of FLASH MEMORY communication
79	P31/A9	A9	O/L	Address output of FLASH MEMORY communication
80	P124	RY C/R	O/L	Center and surround SP relay (ON: H)
81	P123	RY B	O/L	SP-B relay (ON: H)
82	P122	RY A	O/L	SP-A relay (ON: H)
83	P121	RY HP	O/L	HP relay (ON: H)
84	P120	AC1 RELAY	O/L	AC relay (ON: H)
85	Vcc2	Vcc2(5V)	–	Power supply (5V)
86	P30/A8(/_/D7)	A8	O/L	Address output of FLASH MEMORY communication
87	Vss	Vss(GND)	–	Ground
88	P27/AN27/A7(/D7/D6)	A7	O/L	Address output of FLASH MEMORY communication
89	P26/AN26/A6(/D6/D5)	A6	O/L	Address output of FLASH MEMORY communication
90	P25/AN25/A5(/D5/D4)	A5	O/L	Address output of FLASH MEMORY communication
91	P24/AN24/A4(/D4/D3)	A4	O/L	Address output of FLASH MEMORY communication
92	P23/AN23/A3(/D3/D2)	A3	O/L	Address output of FLASH MEMORY communication
93	P22/AN22/A2(/D2/D1)	A2	O/L	Address output of FLASH MEMORY communication
94	P21/AN21/A1(/D1/D0)	A1	O/L	Address output of FLASH MEMORY communication
95	P20/AN20/A0(/D0/_)	OPEN	O/L	Address output of FLASH MEMORY communication
96	P17/D15/INT5	D15	O/L	Data input/output of FLASH MEMORY communication
97	P16/D14/INT4	D14	O/L	Data input/output of FLASH MEMORY communication
98	P15/D13/INT3	D13	O/L	Data input/output of FLASH MEMORY communication
99	P14/D12	D12	O/L	Data input/output of FLASH MEMORY communication
100	P13/D11	D11	O/L	Data input/output of FLASH MEMORY communication

No.	Mark	Pin Name	I/O	Pin Function
101	P12/D10	D10	O/L	Data input/output of FLASH MEMORY communication
102	P11/D9	D9	O/L	Data input/output of FLASH MEMORY communication
103	P10/D8	D8	O/L	Data input/output of FLASH MEMORY communication
104	P07/AN07/D7	D7	O/L	Data input/output of FLASH MEMORY communication
105	P06/AN06/D6	D6	O/L	Data input/output of FLASH MEMORY communication
106	P05/AN05/D5	D5	O/L	Data input/output of FLASH MEMORY communication
107	P04/AN04/D4	D4	O/L	Data input/output of FLASH MEMORY communication
108	P03/AN03/D3	D3	O/L	Data input/output of FLASH MEMORY communication
109	P02/AN02/D2	D2	O/L	Data input/output of FLASH MEMORY communication
110	P01/AN01/D1	D1	O/L	Data input/output of FLASH MEMORY communication
111	P00/AN00/D0	D0	O/L	Data input/output of FLASH MEMORY communication
112	P117	GAIN CONT2	O/L	ANALOG GAIN CONTROL
113	P116	EVOL DT1	O/L	Electronic VOL & function IC communication
114	P115	TUNER DI	O/L	TUNER module communication
115	P114	TUNER CLK	O/L	TUNER module communication
116	P113	TUNER DO	I	TUNER module communication
117	P112	TUNER CE	O/L	TUNER module communication
118	P111	AMUTE	O/L	AMUTE (L: MUTE, H: MUTE OFF)
119	P110	MRMUTE	O/L	MR MUTE (L: MUTE, H: MUTE OFF)
120	P107/AN7/KI3	DC PROTECT	I	DC abnormality detection (L detection)
121	P106/AN6/KI2	FAN STOP	I	FAN STOP detection (L at FAN turn: abnormal)
122	P105/AN5/KI1	TEMP1	I	Temperature detection (H: high temperature)
123	P104/AN4/KI0	XM/iPod ERR	I	(A/D) 0-2.0V: Normal, 2.0-3.5V: XM abnormality, 3.5-5.0V: iPod abnormality
124	P103/AN3	WATT IN	I	(A/D) Voltage detection for limitter control
125	P102/AN2	SIMUKE2	I	(A/D) Destination distinction
126	P101/AN1	SIMUKE1	I	(A/D) Destination distinction
127	Avss	Avss(GND)	–	Ground
128	P100/AN0	HDMI/ DSP REQ	O/L	REQ output for HDMI/DSP microcomputer

■ CD4094BPW (DIGITAL MOTHER ASSY: IC103)

• Expansion 2 IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	232SW	Switch the RS232C path. L: MAIN controller, H: DSP controller	H
2	MRSP2	When SBch outputs MR&S: H (Movement the same as MRSP)	H
3	FAN DRIVE	When FAN turns: H	H
4	INPUT ATT	H at ATT ON	H
5	12VON/OFF	Set to H when rewriting MAIN and DSP controllers.	H
6	XMPOW	XM antenna power supply. Always H. Set to L when detecting the abnormal.	H
7	iPodPOW	iPod supply power supply. Always H. Set to L when detecting the abnormal.	H
8	RDS FM+/XM RESET	Power supply ON/OFF of RDS decoder. H at ON. XM RESET. H at RESET. Notes: RESET of XMDTIC is L, but output with the reverse logic so that inverting circuit exists.	H/H

■ CD4094BNS (COMPONENT & VOL ASSY: IC2640)

• Expansion 1 IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	NECK6	Outputs for limitter control	H
2	NECK8	Outputs for limitter control	H
3	BIAMP	At BIAMP: H	H
4	MRSP	When SBch is MR&S output: H	H
5	12TRG1	12V trigger 1 output	H
6	12TRG2	12V trigger 2 output	H
7	CDMIX	Cch setting: None LISTENING MODE : PURE DIRECT Playback stream: DVD-AUDIO (fs 44.1, 48, 88.2, 96kHz ch MULTI) or DSD (MULTI) or PCM (fs 44.1, 48, 88.2, 96kHz ch MULTI) • Do not turn on in 2 ch source. • When a device name of "PCM MULTI" is 1394 PC with i.LINK, converted DVD-AUDIO information into PCM from a DSP microcomputer. Cch setting: None Function: MULTI CH IN Turn the CENTER DOWN MIX off except the above-mentioned state.	H
8	DSPIN	At DSP root: H At analog direct root: L Condition 1: At Multi-ch-In selection Condition 2: At analog input with PURE DIRECT mode	H

■ CD4094BNS (COMPONENT & VOL ASSY: IC2407)

• Expansion IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	CSW1	Component Func. SW	H
2	CSW2	Component Func. SW	H
3	CINH	IC2401,2402,2403 inhibit	H
4	XMSB	MR(ROOM2) / Selector of XM	H
5	C53B	Thr./VC Select	H
6	DSW1	D Func. SW	H
7	D53A	Thr.(D)/Component Select	H
8	DINH	IC1001,1002,1003,1004 inhibit	H

■ CD4094BPW (S VIDEO ASSY: IC2281)

• Expansion IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	SSW1	S-Video Main Function	H
2	SSW2	S-Video Main Function	H
3	SSW3	S-Video Main Function	H
4	S52A	S-Video Through / VC / OSD / Mute select	H
5	S52B	S-Video Through / VC / OSD / Mute select	H
6	Vacant		H
7	Vacant		H
8	SINH	IC2201,2202 inhibit	H

■ CD4094BPW (S VIDEO ASSY: IC2282)

• Expansion IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	SMRA	S-Video Room2 Function	H
2	SMRB	S-Video Room2 Function	H
3	SMRC	S-Video Room2 Function	H
4	SRC1	S-Video Recout Select	H
5	SRC2	S-Video Recout Select	H
6	Vacant		H
7	Vacant		H
8	Vacant		H

■ CD4094BNS (COMPOSITE V ASSY: IC2008)

• Expansion IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	VSW1	CVBS Main Function	H
2	VSW2	CVBS Main Function	H
3	VSW3	CVBS Main Function	H
4	MRA	CVBS Room2 Function	H
5	MRB	CVBS Room2 Function	H
6	MRC	CVBS Room2 Function	H
7	V52A	CVBS Room2 CVBS/OSD select	H
8	V52B	CVBS Room2 CVBS/OSD select	H

■ CD4094BNS (COMPOSITE V ASSY: IC2009)

• Expansion IC

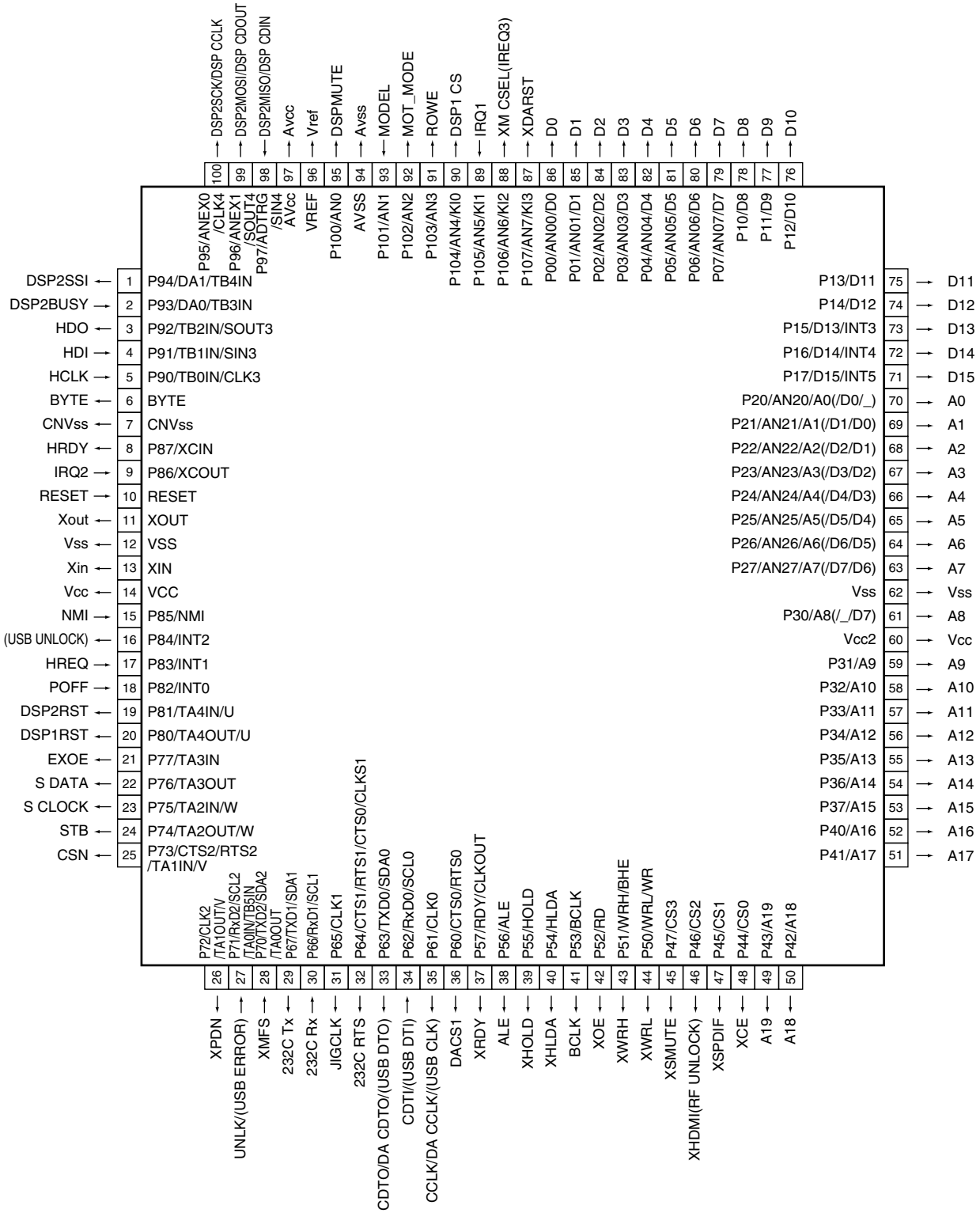
● Pin Function

No.	Pin Name	Pin Function	Active
1	V1M	CVBS Recout Selector	H
2	V2M	CVBS Recout Selector	H
3	VINH	IC2001 inhibit	H
4	MUTE	Video Mute	H
5	MRINH	IC2002,2205,2206 inhibit	H
6	SWA	CVBS Main Through/OSD/VC/Mute select	H
7	SWB	CVBS Main Through/OSD/VC/Mute select	H
8	SWC	CVBS Main Through/OSD/VC/Mute select	H

■ PEG117A (DIGITAL MOTHER ASSY : IC201)

• DSP Microcomputer

● Pin Arrangement (Top view)



● Pin Function

No.	Mark	Pin Name	I/O	Pin Function
1	P94/DA1/TB4IN	DSP2SSI	I	Motorola DSP communication strobe
2	P93/DA0/TB3IN	DSP2BUSY	I	Motorola DSP busy input (at MCACC function)
3	P92/TB2IN/SOUT3	HDO	I	Data output of microcomputer communication to the main microcomputer
4	P91/TB1IN/SIN3	HDI	I	Data input of microcomputer communication from the main microcomputer
5	P90/TB0IN/CLK3	HCLK	I	Clock input of microcomputer communication from the main microcomputer
6	BYTE	BYTE	O	16 bit setting of the external FLASH bus-width
7	CNVss	CNVss	–	Shift from single-chip mode to memory expanded mode.
8	P87/XCIN	HRDY	I	Request output of microcomputer communication to the main microcomputer
9	P86/XCOUT	IRQ2	I	Motorola DSP busy input (at decoder function)
10	RESET	RESET	I	RESET input from the main microcomputer
11	XOUT	Xout	O	Connect a ceramic resonator (15.4MHz)
12	VSS	Vss	–	Ground
13	XIN	Xin	I	Connect a ceramic resonator
14	VCC	Vcc	–	Power supply
15	P85/NMI	NMI	I	
16	P84/INT2	(USB UNLOCK)	I	(USB communication request: Plan)
17	P83/INT1	HREQ	I	Request input of microcomputer communication from the main microcomputer
18	P82/INT0	POFF	I	Power OFF signal
19	P81/TA4IN/U	DSP2RST	I	Motorola DSP reset
20	P80/TA4OUT/U	DSP1RST	I	1st DSP reset
21	P77/TA3IN	EXOE	I	OE output of the expansion IC
22	P76/TA3OUT	S DATA	I	Data output of the expansion IC
23	P75/TA2IN/W	S CLOCK	I	Clock output of the expansion IC
24	P74/TA2OUT/W	STB	I	Strobe output of the expansion IC
25	P73/CTS2/RTS2/TA1IN/V	CSN	I	Control CS output of DIR IC
26	P72/CLK2/TA1OUT/V	XPDN	I	DIR reset
27	P71/RxD2/SCL2/TA0IN/TB5IN	UNLK/(USB ERROR)	I	UNLOCK signal input/(USB error information input)
28	P70/TXD2/SDA2/TA0OUT	XMFS	I	XM FS information
29	P67/TXD1/SDA1	232C Tx	I	RS232C communication TxD(rewriting / control)
30	P66/RxD1/SCL1	232C Rx	I	RS232C communication RxD(rewriting / control)
31	P65/CLK1	JIGCLK	I	Rewriting
32	P64/CTS1/RTS1/CTS0/CLKS1	232C RTS	I	RS232C communication RTS(rewriting / control)
33	P63/TXD0/SDA0	CDTO/DA CDTO/(USB DTO)	I	DIR/DA/(USB) serial comminication data output
34	P62/RxD0/SCL0	CDTI/(USB DTI)	I	DIR/(USB) serial comminication data input
35	P61/CLK0	CCLK/DA CCLK/(USB CLK)	I	DIR/DA/(USB) serial comminication clock output
36	P60/CTS0/RTS0	DACS1	I	Control CS output of DAC IC for F/R
37	P57/RDY/CLKOUT	XRDY	I	Vcc (3.3V)
38	P56/ALE	ALE	O	NC (open at memory expanded mode)
39	P55/HOLD	XHOLD	I	Vcc (3.3V)
40	P54/HLDA	XHLDA	O	NC (open at memory expanded mode)
41	P53/BCLK	BCLK	O	NC (open at memory expanded mode)
42	P52/RD	XOE	O	FLASH MEMORY I/F READ
43	P51/WRH/BHE	XWRH	O	FLASH MEMORY I/F WRITE
44	P50/WRL/WR	XWRL	O	FLASH MEMORY I/F WRITE
45	P47/CS3	XSMUTE	I	For last stage mute control
46	P46/CS2	XHDMI(RF UNLOCK)	I	For mute control of HDMI input (for RF UNLOCK detection)
47	P45/CS1	XSPDIF	I	For mute control of DIR input
48	P44/CS0	XCE	O	FLASH MEMORY CE control
49	P43/A19	A19	O	Address output of FLASH MEMORY communication
50	P42/A18	A18	O	Address output of FLASH MEMORY communication

No.	Mark	Pin Name	I/O	Pin Function
51	P41/A17	A17	O	Address output of FLASH MEMORY communication
52	P40/A16	A16	O	Address output of FLASH MEMORY communication
53	P37/A15	A15	O	Address output of FLASH MEMORY communication
54	P36/A14	A14	O	Address output of FLASH MEMORY communication
55	P35/A13	A13	O	Address output of FLASH MEMORY communication
56	P34/A12	A12	O	Address output of FLASH MEMORY communication
57	P33/A11	A11	O	Address output of FLASH MEMORY communication
58	P32/A10	A10	O	Address output of FLASH MEMORY communication
59	P31/A9	A9	O	Address output of FLASH MEMORY communication
60	Vcc2	Vcc	–	Power supply
61	P30/A8(/_/D7)	A8	O	Address output of FLASH MEMORY communication
62	Vss	Vss	–	Ground
63	P27/AN27/A7(/D7/D6)	A7	O	Address output of FLASH MEMORY communication
64	P26/AN26/A6(/D6/D5)	A6	O	Address output of FLASH MEMORY communication
65	P25/AN25/A5(/D5/D4)	A5	O	Address output of FLASH MEMORY communication
66	P24/AN24/A4(/D4/D3)	A4	O	Address output of FLASH MEMORY communication
67	P23/AN23/A3(/D3/D2)	A3	O	Address output of FLASH MEMORY communication
68	P22/AN22/A2(/D2/D1)	A2	O	Address output of FLASH MEMORY communication
69	P21/AN21/A1(/D1/D0)	A1	O	Address output of FLASH MEMORY communication
70	P20/AN20/A0(/D0/_)	A0	I	Do not connect at 16bit data access
71	P17/D15/INT5	D15	I	Data input/output of FLASH MEMORY communication
72	P16/D14/INT4	D14	I	Data input/output of FLASH MEMORY communication
73	P15/D13/INT3	D13	I	Data input/output of FLASH MEMORY communication
74	P14/D12	D12	I	Data input/output of FLASH MEMORY communication
75	P13/D11	D11	I	Data input/output of FLASH MEMORY communication
76	P12/D10	D10	I	Data input/output of FLASH MEMORY communication
77	P11/D9	D9	I	Data input/output of FLASH MEMORY communication
78	P10/D8	D8	I	Data input/output of FLASH MEMORY communication
79	P07/AN07/D7	D7	I	Data input/output of FLASH MEMORY communication
80	P06/AN06/D6	D6	I	Data input/output of FLASH MEMORY communication
81	P05/AN05/D5	D5	I	Data input/output of FLASH MEMORY communication
82	P04/AN04/D4	D4	I	Data input/output of FLASH MEMORY communication
83	P03/AN03/D3	D3	I	Data input/output of FLASH MEMORY communication
84	P02/AN02/D2	D2	I	Data input/output of FLASH MEMORY communication
85	P01/AN01/D1	D1	I	Data input/output of FLASH MEMORY communication
86	P00/AN00/D0	D0	I	Data input/output of FLASH MEMORY communication
87	P107/AN7/KI3	XDARST	I	DAC reset
88	P106/AN6/KI2	XM CSEL(IREQ3)	I	XM information (Control with the main microcomputer information)(3rd DSP FLAG0 input)
89	P105/AN5/KI1	IRQ1	I	1st DSP FLAG0 input
90	P104/AN4/KI0	DSP1 CS	I	1st DSP chip select
91	P103/AN3	ROWE	I	For DSP rewriting control
92	P102/AN2	MOT_MODE	I	For the Motorola operating state control
93	P101/AN1	MODEL	I	For model distinction (A/D input use)
94	AVSS	Avss	–	Ground
95	P100/AN0	DSPMUTE	I	DSP MUTE control output
96	VREF	Vref	–	Reference voltage
97	AVcc	Avcc	–	Power supply
98	P97/ADTRG/SIN4	DSP2MISO/DSP CDIN	I	DSP communication data input of Motorola/SHARC
99	P96/ANEX1/SOUT4	DSP2MOSI/DSP CDOUT	I	DSP communication data output of Motorola/SHARC
100	P95/ANEX0/CLK4	DSP2SCK/DSP CCLK	I	DSP communication clock output of Motorola/SHARC

■ CD4094BPW (DIGITAL MOTHER ASSY: IC203)

• Expansion 1 IC

● Pin Function

No.	Pin Name	Pin Function	Active
4	XPDNAD	AD IC reset H: Release the A/D reset, L: A/D reset	L
5	ADOSR	AD Over sampling setting Over-sampling at analog L: 88.2/96kHz, H: Others	H
6	DDIRECT	Digital Direct setting	H
7	XLSSN	LSSN setting H: When add a SW signal to the front in analog stage, L: Don't add	H
11	XTL0	DIR XTL0 control	H
12	DACS2	DA chip select (for C,SW,S,SB ch)	L
13	MPCM	Multi PCM input selection	H
14	XM	XM input selection	H

■ CD4094BPW (DIGITAL MOTHER ASSY: IC211)

• Expansion 2 IC

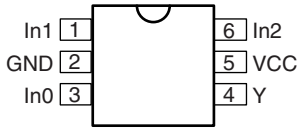
● Pin Function

No.	Pin Name	Pin Function	Active
4	DS_2_32	32 bit transmission setting (Not used, "L" fixing)	H
5	MRXM	XM input setting to DA	H
6	DACS3	DA chip select (For +2 ch)	L
7	USB(RST3)	USB select (3rd DSP reset: plan)	H
11	DAX(SP3)	DSP3 CS output	H
12	DSD DIRECT	DSD Direct setting	H
13	XON	DSP X'tal ON/OFF control Crystal clock control of DSP H: 06 High model, L: 05 middle model	H
14	XIEEE	1394 input select	L

■ SN74LVC1G97DCK (DIGITAL MOTHER ASSY : IC304, IC305, IC318)

• Configurable Multiple-function Gate

● Pin Arrangement (Top view)

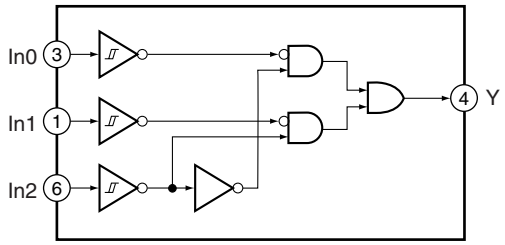


● Truth Table

INPUTS			OUTPUTS
In2	In1	In0	Y
L	L	L	L
L	L	H	L
L	H	L	H
L	H	H	H
H	L	L	L
H	L	H	H
H	H	L	L
H	H	H	H

H: High level
L: Low level

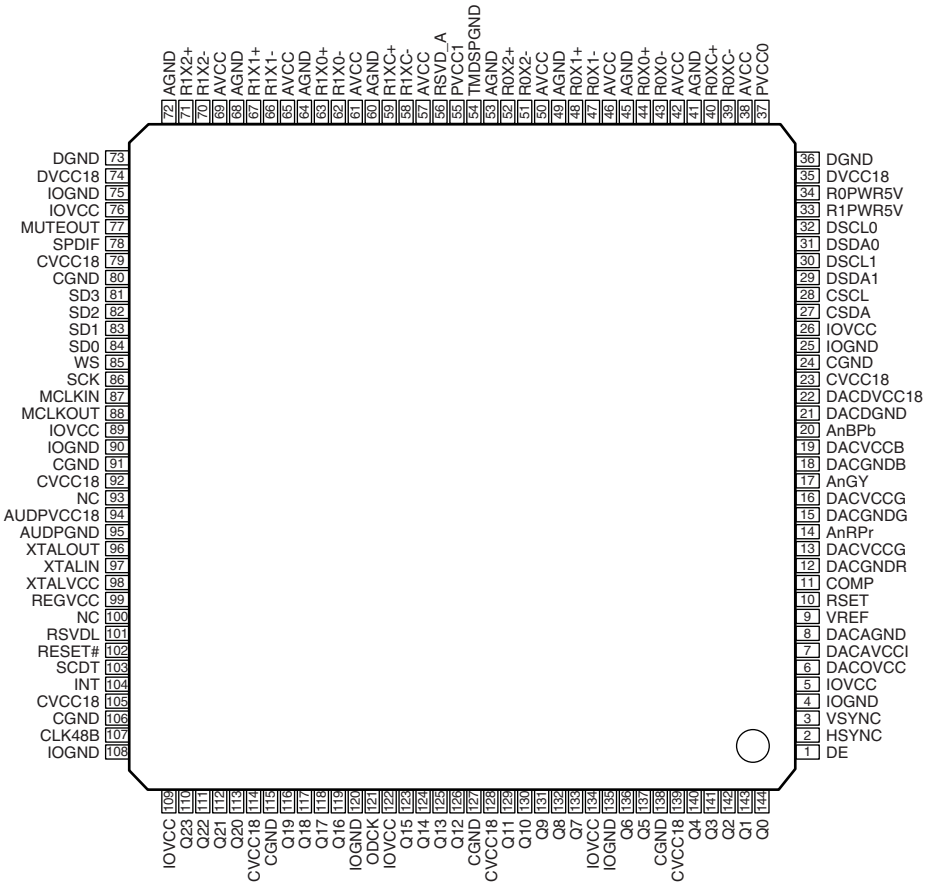
● Logic Diagram (positive logic)



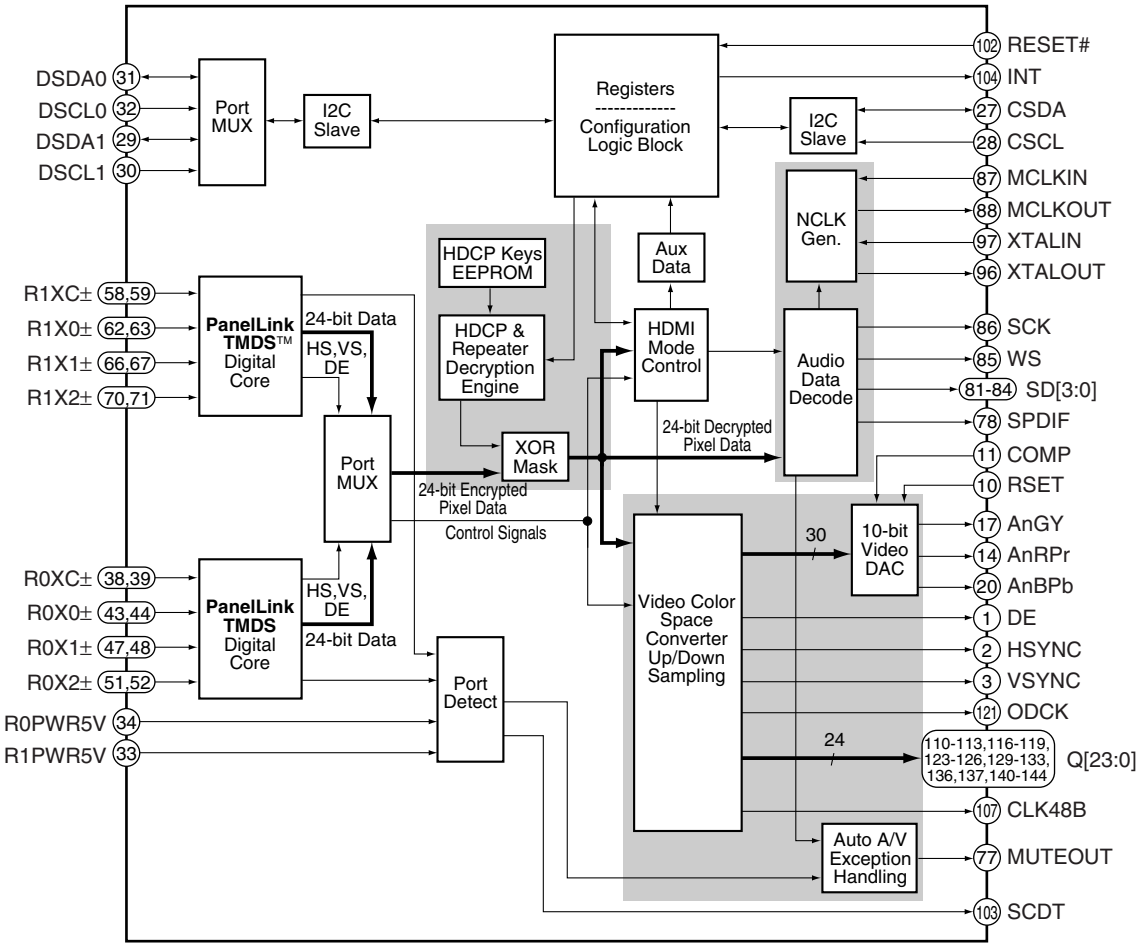
■ SiI9031CTU (HDMI & DVC ASSY : IC101)

• HDMI PanelLink Cinema Receiver

● Pin Arrangement (Top view)



● Block Diagram



● **Pin Function**

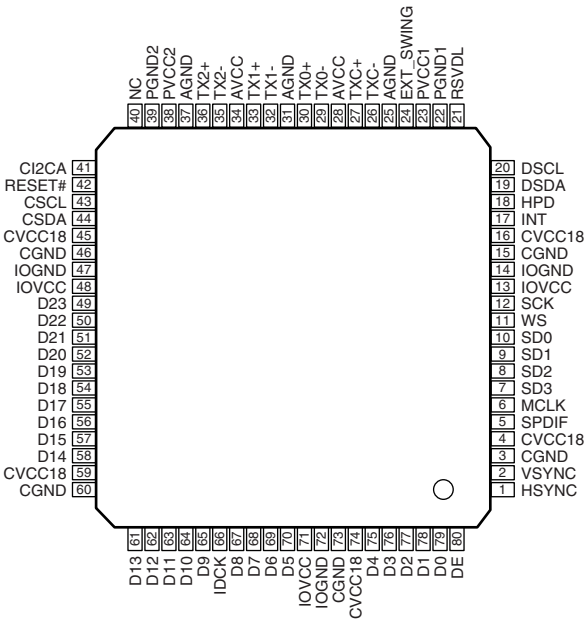
No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
1	DE	O	Data enable	41	AGND	–	TMDS analog GND
2	HSYNC	O	Horizontal sync output control signal	42	AVCC	–	TMDS analog VCC (3.3V)
3	VSYNC	O	Vertical sync output control signal	43	R0X0-	I	TMDS input data pair of HDMI port 0
4	IOGND	–	Input/Output pin GND	44	R0X0+	I	TMDS input data pair of HDMI port 0
5	IOVCC	–	Input/Output pin VCC (3.3V)	45	AGND	–	TMDS analog GND
6	DACOVCC	–	DAC output VCC (3.3V)	46	AVCC	–	TMDS analog VCC (3.3V)
7	DACAVCC	–	DAC Analog VCC (3.3V)	47	R0X1-	I	TMDS input data pair of HDMI port 0
8	DACAGND	–	DAC Analog GND	48	R0X1+	I	TMDS input data pair of HDMI port 0
9	VREF	–	Reference voltage	49	AGND	–	TMDS analog GND
10	RSET	I	Full scale adjust resistor	50	AVCC	–	TMDS analog VCC (3.3V)
11	COMP	I	Compensation	51	R0X2-	I	TMDS input data pair of HDMI port 0
12	DACGNDR	–	DAC Red GND	52	R0X2+	I	TMDS input data pair of HDMI port 0
13	DACVCCR	–	DAC Red VDD (3.3V)	53	AGND	–	TMDS analog GND
14	AnRPr	O	Analog video Red, Pr output	54	TMDSPGND	–	TMDS PLL GND
15	DACGNDG	–	DAC Green GND	55	PVCC1	–	TMDS port 1 PLL VCC (3.3V)
16	DACVCCG	–	DAC Green VDD (3.3V)	56	RSVD_A	–	Reserved, leave unconnected.
17	AnGY	O	Analog video Green, Y output	57	AVCC	–	TMDS analog VCC (3.3V)
18	DACGNDB	–	DAC Blue GND	58	R1XC-	I	TMDS input clock pair of HDMI port 1
19	DACVCCB	–	DAC Blue VDD (3.3V)	59	R1XC+	I	TMDS input clock pair of HDMI port 1
20	AnBPb	O	Analog video Blue, Pb output	60	AGND	–	TMDS analog GND
21	DACDGND	–	DAC Digital GND	61	AVCC	–	TMDS analog VCC (3.3V)
22	DACDVCC18	–	DAC Digital VCC (1.8V)	62	R1X0-	I	TMDS input data pair of HDMI port 1
23	CVCC18	–	Digital logic VCC (1.8V)	63	R1X0+	I	TMDS input data pair of HDMI port 1
24	CGND	–	Digital logic GND	64	AGND	–	TMDS analog GND
25	IOGND	–	Input/Output pin GND	65	AVCC	–	TMDS analog VCC (3.3V)
26	IOVCC	–	Input/Output pin VCC (3.3V)	66	R1X1-	I	TMDS input data pair of HDMI port 1
27	CSDA	Bi-Di	Configuration I2C data	67	R1X1+	I	TMDS input data pair of HDMI port 1
28	CSCL	I	Configuration I2C clock	68	AGND	–	TMDS analog GND
29	DSDA1	Bi-Di	DDC I2C data for port 1	69	AVCC	–	TMDS analog VCC (3.3V)
30	DSCL1	I	DDC I2C clock for port 1	70	R1X2-	I	TMDS input data pair of HDMI port 1
31	DSDA0	Bi-Di	DDC I2C clock for port 0	71	R1X2+	I	TMDS input data pair of HDMI port 1
32	DSCL0	I	DDC I2C data for port 0	72	AGND	–	TMDS analog GND
33	R1PWR5V	I	Port 1 transmitter detect	73	DGND	–	ACR PLL GND
34	R0PWR5V	I	Port 0 transmitter detect	74	DVCC18	–	ACR PLL Digital VCC (1.8V)
35	DVCC18	–	ACR PLL Digital VCC (1.8V)	75	IOGND	–	Input/Output pin GND
36	DGND	–	ACR PLL GND	76	IOVCC	–	Input/Output pin VCC (3.3V)
37	PVCC0	–	TMDS port 0 PLL VCC (3.3V)	77	MUTEOUT	O	Mute audio output
38	AVCC	–	TMDS analog VCC (3.3V)	78	SPDIF	O	S/PDIF audio output
39	R0XC-	I	TMDS input clock pair of HDMI port 0	79	CVCC18	–	Digital logic VCC (1.8V)
40	R0XC+	I	TMDS input clock pair of HDMI port 0	80	CGND	–	Digital logic GND

No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
81	SD3	O	I2S serial data output	113	Q20	O	24-bit output pixel data bus
82	SD2	O	I2S serial data output	114	CVCC18	–	Digital logic VCC (1.8V)
83	SD1	O	I2S serial data output	115	CGND	–	Digital logic GND
84	SD0	O	I2S serial data output	116	Q19	O	24-bit output pixel data bus
85	WS	O	I2S word select output	117	Q18	O	24-bit output pixel data bus
86	SCK	O	I2S serial clock output	118	Q17	O	24-bit output pixel data bus
87	MCLKIN	I	Audio master clock input reference	119	Q16	O	24-bit output pixel data bus
88	MCLKOUT	O	Audio master clock output	120	IOGND	–	Input/Output pin GND
89	IOVCC	–	Input/Output pin VCC (3.3V)	121	ODCK	O	Output data clock
90	IOGND	–	Input/Output pin GND	122	IOVCC	–	Input/Output pin VCC (3.3V)
91	CGND	–	Digital logic GND	123	Q15	O	24-bit output pixel data bus
92	CVCC18	–	Digital logic VCC (1.8V)	124	Q14	O	24-bit output pixel data bus
93	NC	–	No connect	125	Q13	O	24-bit output pixel data bus
94	AUDPVCC18	–	ACR PLL VCC (1.8V)	126	Q12	O	24-bit output pixel data bus
95	AUDPGND	–	ACR PLL GND	127	CGND	–	Digital logic GND
96	XTALOUT	O	Crystal clock output	128	CVCC18	–	Digital logic VCC (1.8V)
97	XTALIN	I	Crystal clock input	129	Q11	O	24-bit output pixel data bus
98	XTALVCC	–	ACR PLL crystal input VCC (3.3V)	130	Q10	O	24-bit output pixel data bus
99	REGVCC	–	ACR PLL regulator VCC (3.3V)	131	Q9	O	24-bit output pixel data bus
100	NC	–	No connect	132	Q8	O	24-bit output pixel data bus
101	RSVDL	I	Reserved, must be tied Low.	133	Q7	O	24-bit output pixel data bus
102	RESET#	I	Reset pin Active Low.	134	IOVCC	–	Input/Output pin VCC (3.3V)
103	SCDT	O	Indicates active video at HDMI input port	135	IOGND	–	Input/Output pin GND
104	INT	O	Interrupt output	136	Q6	O	24-bit output pixel data bus
105	CVCC18	–	Digital logic VCC (1.8V)	137	Q5	O	24-bit output pixel data bus
106	CGND	–	Digital logic GND	138	CGND	–	Digital logic GND
107	CLK48B	Bi-Di	Data bus latch enable	139	CVCC18	–	Digital logic VCC (1.8V)
108	IOGND	–	Input/Output pin GND	140	Q4	O	24-bit output pixel data bus
109	IOVCC	–	Input/Output pin VCC (3.3V)	141	Q3	O	24-bit output pixel data bus
110	Q23	O	24-bit output pixel data bus	142	Q2	O	24-bit output pixel data bus
111	Q22	O	24-bit output pixel data bus	143	Q1	O	24-bit output pixel data bus
112	Q21	O	24-bit output pixel data bus	144	Q0	O	24-bit output pixel data bus

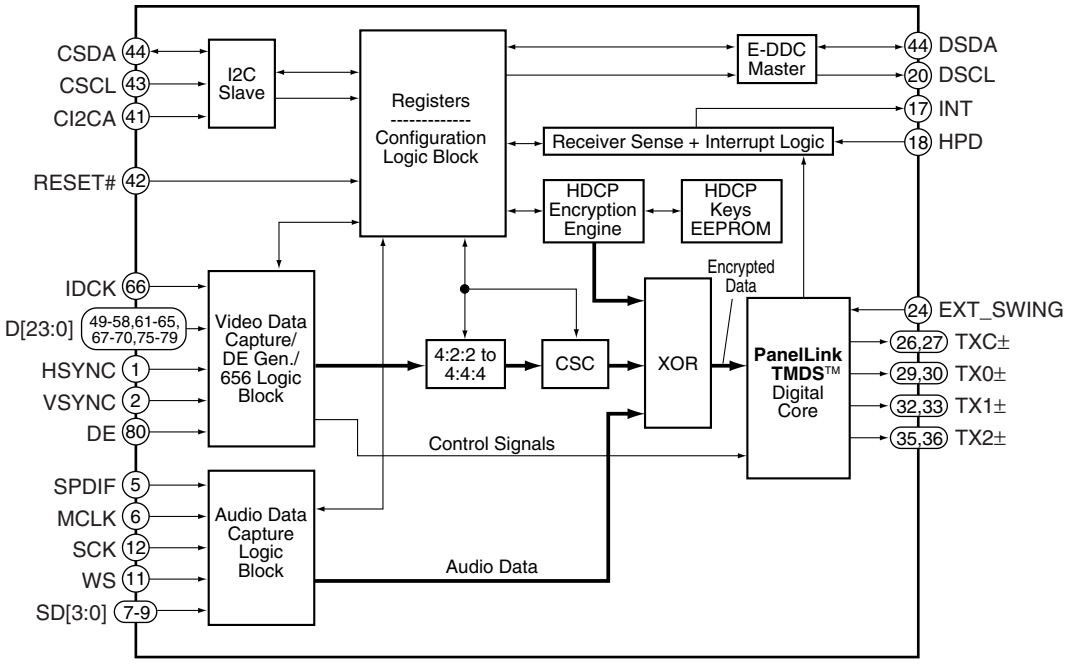
■ SiI9030CTU (HDMI & DVC ASSY : IC301)

• HDMI PanelLink Transmitter

● Pin Arrangement (Top view)



● Block Diagram



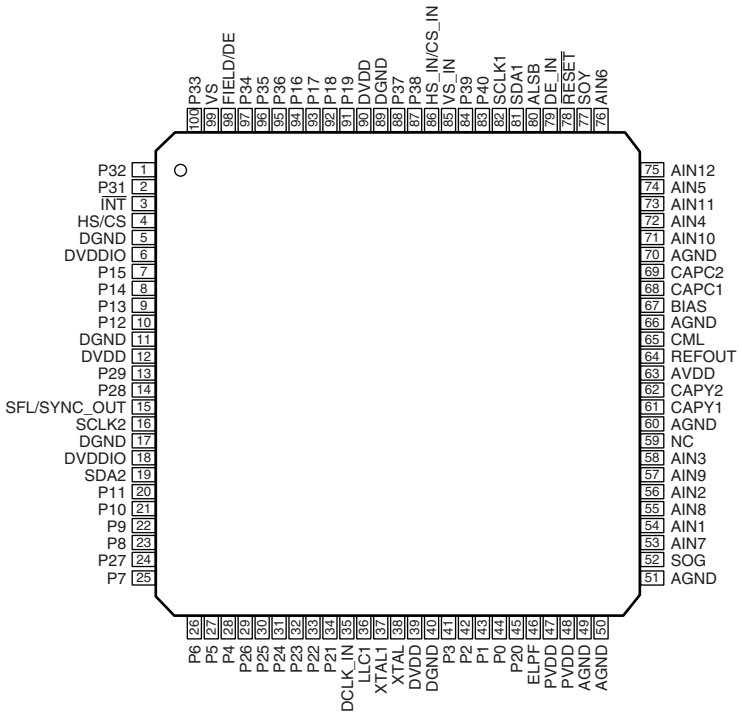
● Pin Function

No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
1	HSYNC	I	Horizontal sync input control signal	41	CI2CA	I	I2C device address select
2	VSYNC	I	Vertical sync input control signal	42	RESET#	I	Reset pin (Active Low.)
3	CGND	–	Digital core GND	43	CSCL	I	I2C clock
4	CVCC18	–	Digital core VCC (1.8V)	44	CSDA	Bi-Di	I2C data (Open drain output)
5	SPDIF	I	S/PDIF audio input	45	CVCC18	–	Digital core VCC (1.8V)
6	MCLK	I	Audio input master clock	46	CGND	–	Digital core GND
7	SD3	I	I2S serial data	47	IOGND	–	IO pin GND
8	SD2	I	I2S serial data	48	IOVCC	–	IO pin VCC (3.3V)
9	SD1	I	I2S serial data	49	D23	I	12-bit input pixel data bus
10	SD0	I	I2S serial data	50	D22	I	12-bit input pixel data bus
11	WS	I	I2S word select	51	D21	I	12-bit input pixel data bus
12	SCK	I	I2S serial clock	52	D20	I	12-bit input pixel data bus
13	IOVCC	–	IO pin VCC (3.3V)	53	D19	I	12-bit input pixel data bus
14	IOGND	–	IO pin GND	54	D18	I	12-bit input pixel data bus
15	CGND	–	Digital core GND	55	D17	I	12-bit input pixel data bus
16	CVCC18	–	Digital core VCC (1.8V)	56	D16	I	12-bit input pixel data bus
17	INT	O	Interrupt output	57	D15	I	12-bit input pixel data bus
18	HPD	I	Hot plug detect input	58	D14	I	12-bit input pixel data bus
19	DSDA	Bi-Di	DDC data (Open drain output)	59	CVCC18	–	Digital core VCC (1.8V)
20	DSCL	Bi-Di	DDC clock	60	CGND	–	Digital core GND
21	RSVDL	I	Reserved for use by sillicon image, and must be tied Low.	61	D13	I	12-bit input pixel data bus
22	PGND1	–	TMDS core PLL ground	62	D12	I	12-bit input pixel data bus
23	PVCC1	–	TMDS core PLL power (3.3V)	63	D11	I	12-bit input pixel data bus
24	EXT_SWING	I	Voltage swing adjust	64	D10	I	12-bit input pixel data bus
25	AGND	–	Analog GND	65	D9	I	12-bit input pixel data bus
26	TXC-	O	TMDS output clock pairs	66	IDCK	I	Input data clock
27	TXC+	O	TMDS output clock pairs	67	D8	I	12-bit input pixel data bus
28	AVCC	–	Analog VCC (3.3V)	68	D7	I	12-bit input pixel data bus
29	TX0-	O	TMDS output data pairs	69	D6	I	12-bit input pixel data bus
30	TX0+	O	TMDS output data pairs	70	D5	I	12-bit input pixel data bus
31	AGND	–	Analog GND	71	IOVCC	–	IO pin VCC (3.3V)
32	TX1-	O	TMDS output data pairs	72	IOGND	–	IO pin GND
33	TX1+	O	TMDS output data pairs	73	CGND	–	Digital core GND
34	AVCC	–	Analog VCC (3.3V)	74	CVCC18	–	Digital core VCC (1.8V)
35	TX2-	O	TMDS output data pairs	75	D4	I	12-bit input pixel data bus
36	TX2+	O	TMDS output data pairs	76	D3	I	12-bit input pixel data bus
37	AGND	–	Analog GND	77	D2	I	12-bit input pixel data bus
38	PVCC2	–	Filter PLL power (3.3V)	78	D1	I	12-bit input pixel data bus
39	PGND2	–	Filter PLL ground	79	D0	I	12-bit input pixel data bus
40	NC	–	Not connected	80	DE	I	Data enable

■ ADV7400AKSTZ-80 (HDMI & DVC ASSY : IC401)

• Video Decoder IC

● Pin Arrangement (Top view)



● Pin Function

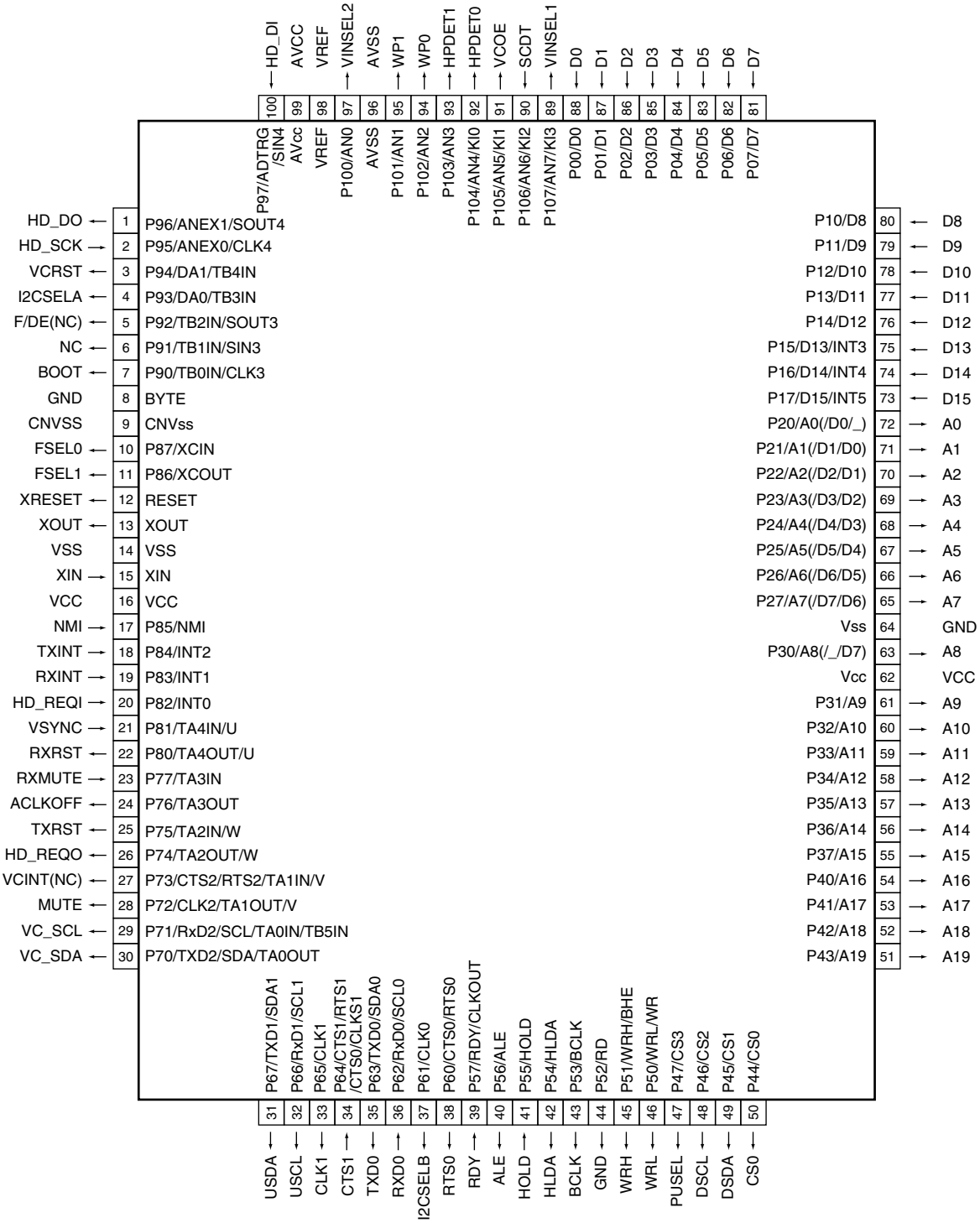
No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
1	P32	I	Video pixel input port	11	DGND	–	Digital ground
2	P31	I	Video pixel input port	12	DVDD	–	Digital core supply voltage (1.8V)
3	$\overline{INT}$	O	Interrupt pin	13	P29	I/O	Video pixel input/output port
4	HS/CS	O	H. Sync. output/digital composite sync. signal	14	P28	I/O	Video pixel input/output port
5	DGND	–	Digital ground	15	SFL/SYNC_OUT	O	Subcarrier frequency lock/SYNC_OUT is the sliced sync output signal only available in CP mode.
6	DVDDIO	–	Digital I/O supply voltage (3.3V)	16	SCLK2	I	I2C port serial clock input (max 400kHz)
7	P15	O	Video pixel output port	17	DGND	–	Digital ground
8	P14	O	Video pixel output port	18	DVDDIO	–	Digital I/O supply voltage (3.3V)
9	P13	O	Video pixel output port	19	SDA2	I/O	I2C port serial data input/output
10	P12	O	Video pixel output port	20	P11	I	Video pixel input port

No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
21	P10	I	Video pixel input port	61	CAPY1	I	ADC capacitor network
22	P9	O	Video pixel output port	62	CAPY2	I	ADC capacitor network
23	P8	O	Video pixel output port	63	AVDD	–	Analog supply voltage (3.3V)
24	P27	I/O	Video pixel input/output port	64	REFOUT	O	Internal voltage reference output
25	P7	O	Video pixel output port	65	CML	O	Common-mode level pin for the internal ADCs
26	P6	O	Video pixel output port	66	AGND	–	Analog ground
27	P5	O	Video pixel output port	67	BIAS	O	External bias setting
28	P4	O	Video pixel output port	68	CAPC1	I	ADC capacitor network
29	P26	I/O	Video pixel input/output port	69	CAPC2	I	ADC capacitor network
30	P25	I/O	Video pixel input/output port	70	AGND	–	Analog ground
31	P24	I/O	Video pixel input/output port	71	AIN10	I	Analog video input channel
32	P23	I/O	Video pixel input/output port	72	AIN4	I	Analog video input channel
33	P22	I/O	Video pixel input/output port	73	AIN11	I	Analog video input channel
34	P21	I	Video pixel input port	74	AIN5	I	Analog video input channel
35	DCLK_IN	I	Clock input signal	75	AIN12	I	Analog video input channel
36	LLC1	O	Line-locked output clock for the pixel data output	76	AIN6	I	Analog video input channel
37	XTAL1	O	27MHz crystal connect pin	77	SOY	I	Sync on luma input
38	XTAL	I	Input pin for 27MHz crystal	78	$\overline{\text{RESET}}$	I	System reset input
39	DVDD	–	Digital core supply voltage (1.8V)	79	DE_IN	I	Data enable input signal
40	DGND	–	Digital ground	80	ALSB	I	Selects the I2C address for the ADV7400A control and VBI readback port
41	P3	O	Video pixel output port	81	SDA1	I/O	I2C port serial data input/output
42	P2	O	Video pixel output port	82	SCLK1	I	I2C port serial clock input (max 400kHz)
43	P1	I	Video pixel input port	83	P40	I	Video pixel input port
44	P0	I	Video pixel input port	84	P39	I	Video pixel input port
45	P20	I	Video pixel input port	85	VS_IN	I	VS input signal
46	ELPF	O	The recommend external loop filter must be connected to this pin	86	HS_IN/CS_IN	I	Can be configured in CP mode to be either a digital HS input signal or a digital CS input signal used to extract timing in 5-wire or 4-wire RGB mode.
47	PVDD	–	PLL supply voltage (1.8V)	87	P38	I	Video pixel input port
48	PVDD	–	PLL supply voltage (1.8V)	88	P37	I	Video pixel input port
49	AGND	–	Analog ground	89	DGND	–	Digital ground
50	AGND	–	Analog ground	90	DVDD	–	Digital core supply voltage (1.8V)
51	AGND	–	Analog ground	91	P19	O	Video pixel output port
52	SOG	I	Sync on green input	92	P18	O	Video pixel output port
53	AIN7	I	Analog video input channel	93	P17	O	Video pixel output port
54	AIN1	I	Analog video input channel	94	P16	O	Video pixel output port
55	AIN8	I	Analog video input channel	95	P36	I	Video pixel input port
56	AIN2	I	Analog video input channel	96	P35	I	Video pixel input port
57	AIN9	I	Analog video input channel	97	P34	I	Video pixel input port
58	AIN3	I	Analog video input channel	98	FIELD/DE	O	Field sync signal output/data enable
59	NC	–	No connect pin	99	VS	O	Vertical sync output signal
60	AGND	–	Analog ground	100	P33	I	Video pixel input port

■ PEG118A (HDMI & DVC ASSY : IC501)

• HDMI Microcomputer

● Pin Arrangement (Top view)



● Pin Function

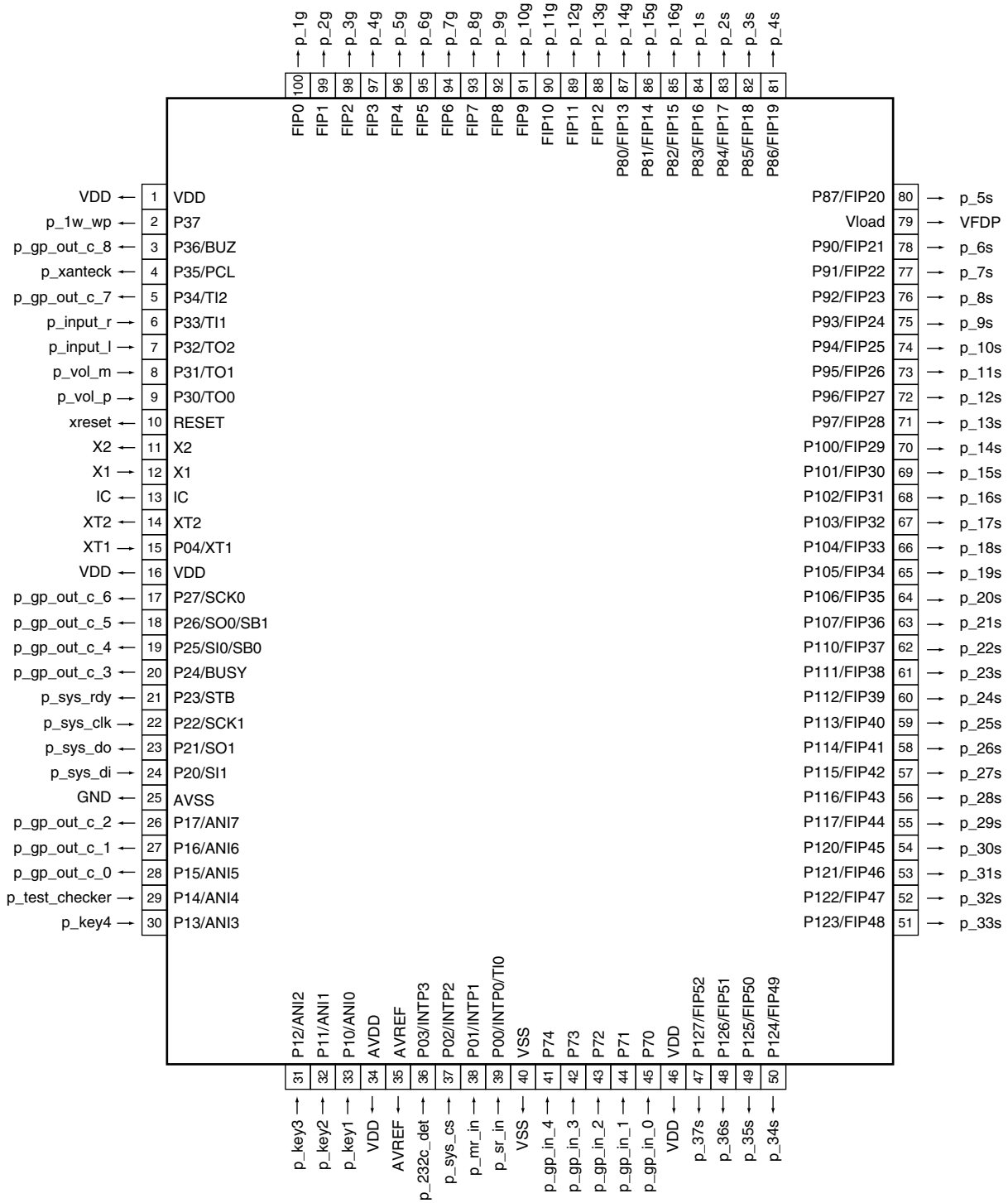
No.	Mark	Pin Name	I/O	Pin Function
1	P96/ANEX1/SOUT4	HD_DO	O	Main controller communication
2	P95/ANEX0/CLK4	HD_SCK	I	Main controller communication
3	P94/DA1/TB4IN	VCRST	O	ADV7400A, ADV7172K
4	P93/DA0/TB3IN	I2CSELA	O	Access selection of EDID 1or 0 or Sil
5	P92/TB2IN/SOUT3	F/DE(NC)	O	
6	P91/TB1IN/SIN3	NC	O	Not connected
7	P90/TB0IN/CLK3	BOOT	O	
8	BYTE	GND		Ground
9	CNVss	CNVSS	–	CNVSS
10	P87/XCIN	FSEL0	O	IC601 FilterSelect
11	P86/XCOUT	FSEL1	O	IC601 FilterSelect
12	RESET	XRESET	O	Reset circuit of main controller communication
13	XOUT	XOUT	O	XTAL output
14	VSS	VSS	–	Ground
15	XIN	XIN	I	XTA input
16	VCC	VCC	–	3.3V power supply
17	P85/NMI	NMI	I	
18	P84/INT2	TXINT	I	Sil9030
19	P83/INT1	RXINT	I	Sil9031
20	P82/INT0	HD_REQI	I	REQ IN of main controller communication
21	P81/TA4IN/U	VSYNC	I	Not used
22	P80/TA4OUT/U	RXRST	O	Sil9031 RESET
23	P77/TA3IN	RXMUTE	I	Not used
24	P76/TA3OUT	ACLKOFF	O	For radio wave measures
25	P75/TA2IN/W	TXRST	O	Sil9030 reset
26	P74/TA2OUT/W	HD_REQO	O	REQ OUT of main controller communication
27	P73/CTS2/RTS2/TA1IN/V	VCINT(NC)	O	RDY_FP(INT) VIDEO DECODER
28	P72/CLK2/TA1OUT/V	MUTE	O	MUTE control
29	P71/RxD2/SCL/TA0IN/TB5IN	VC_SCL	O	Each IC (video converter)
30	P70/TXD2/SDA/TA0OUT	VC_SDA	O	Each IC
31	P67/TXD1/SDA1	USDA	O	Microcomputer rewriting connector / TX,RX
32	P66/RxD1/SCL1	USCL	O	Microcomputer rewriting connector / TX,RX
33	P65/CLK1	CLK1	O	Microcomputer rewriting connector / selector
34	P64/CTS1/RTS1/CTS0/CLKS1	CTS1	I	Microcomputer rewriting connector / 232C
35	P63/TXD0/SDA0	TXD0	O	232c
36	P62/RxD0/SCL0	RXD0	I	232c
37	P61/CLK0	I2CSELB	O	Access selection of EDID 1or 0 or Sil
38	P60/CTS0/RTS0	RTS0	O	232c
39	P57/RDY/CLKOUT	RDY	I	Open
40	P56/ALE	ALE	O	Open
41	P55/HOLD	HOLD	I	
42	P54/HLDA	HLDA	O	Open
43	P53/BCLK	BCLK	O	Open
44	P52/RD	GND	O	IC502 (for external Flash)
45	P51/WRH/BHE	WRH	O	IC502 open
46	P50/WRL/WR	WRL	O	IC502 (for external Flash)
47	P47/CS3	PUSEL	O	IC502 DDC communication 2.7k/4.7k resistor switch
48	P46/CS2	DSCL	O	IC502 I2C for DDC
49	P45/CS1	DSDA	O	IC502 I2C for DDC
50	P44/CS0	CS0	O	IC502 (for external Flash)

No.	Mark	Pin Name	I/O	Pin Function
51	P43/A19	A19	O	Address output for IC502 (open)
52	P42/A18	A18	O	Address output for IC502
53	P41/A17	A17	O	Address output for IC502
54	P40/A16	A16	O	Address output for IC502
55	P37/A15	A15	O	Address output for IC502
56	P36/A14	A14	O	Address output for IC502
57	P35/A13	A13	O	Address output for IC502
58	P34/A12	A12	O	Address output for IC502
59	P33/A11	A11	O	Address output for IC502
60	P32/A10	A10	O	Address output for IC502
61	P31/A9	A9	O	Address output for IC502
62	Vcc	VCC	–	3.3V power supply
63	P30/A8(/_/D7)	A8	O	Address output for IC502
64	Vss	GND	–	Ground
65	P27/A7(/D7/D6)	A7	O	Address output for IC502
66	P26/A6(/D6/D5)	A6	O	Address output for IC502
67	P25/A5(/D5/D4)	A5	O	Address output for IC502
68	P24/A4(/D4/D3)	A4	O	Address output for IC502
69	P23/A3(/D3/D2)	A3	O	Address output for IC502
70	P22/A2(/D2/D1)	A2	O	Address output for IC502
71	P21/A1(/D1/D0)	A1	O	Address output for IC502
72	P20/A0(/D0/_)	A0	O	Address output for IC502
73	P17/D15/INT5	D15	I	Data input for IC502
74	P16/D14/INT4	D14	I	Data input for IC502
75	P15/D13/INT3	D13	I	Data input for IC502
76	P14/D12	D12	I	Data input for IC502
77	P13/D11	D11	I	Data input for IC502
78	P12/D10	D10	I	Data input for IC502
79	P11/D9	D9	I	Data input for IC502
80	P10/D8	D8	I	Data input for IC502
81	P07/D7	D7	I	Data input for IC502
82	P06/D6	D6	I	Data input for IC502
83	P05/D5	D5	I	Data input for IC502
84	P04/D4	D4	I	Data input for IC502
85	P03/D3	D3	I	Data input for IC502
86	P02/D2	D2	I	Data input for IC502
87	P01/D1	D1	I	Data input for IC502
88	P00/D0	D0	I	Data input for IC502
89	P107/AN7/KI3	VINSEL1	O	IC602-pin 1 (MM1503XN)
90	P106/AN6/KI2	SCDT	I	Sil9031
91	P105/AN5/KI1	VCOE	O	Select RX or DVC L: Si9030, DVC output ON ,H: Si9030 Hz
92	P104/AN4/KI0	HPDET0	O	Plug
93	P103/AN3	HPDET1	O	Plug
94	P102/AN2	WP0	O	EDID
95	P101/AN1	WP1	O	EDID
96	AVSS	AVSS	–	Ground Connect to VSS.
97	P100/AN0	VINSEL2	O	
98	VREF	VREF	–	3.3V Connect to VCC.
99	AVcc	AVCC	–	3.3V Connect to VCC.
100	P97/ADTRG/SIN4	HD_DI	I	Main controller communication

PE5503A (DISPLAY ASSY : IC3201)

• Display Microcomputer

● Pin Arrangement (Top view)



● Pin Function

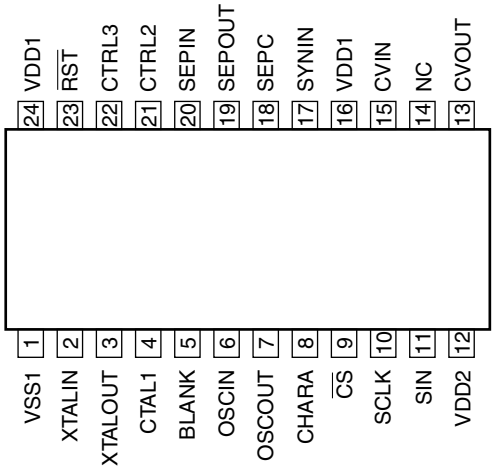
No.	Mark	Pin Name	I/O	Pin Function
1	VDD	VDD	–	Positive power supply
2	P37	p_1w_wp	O	Main microcomputer start-up output corresponding to 1W
3	P36/BUZ	p_gp_out_c_8	O	General-purpose output (CMOS_8) for IR2SW (must be tied L)
4	P35/PCL	p_xanteck	O	xantec correspondence L: set2 (PIONEER), H: set1 (others)
5	P34/TI2	p_gp_out_c_7	O	General-purpose output (CMOS_7)
6	P33/TI1	p_input_r	I	MULTIJOG
7	P32/TO2	p_input_l	I	MULTIJOG
8	P31/TO1	p_vol_m	I	vol(-)
9	P30/TO0	p_vol_p	I	vol(+)
10	RESET	xreset	–	Reset input
11	X2	X2	–	Connect a 5MHz crystal for X1 input clock oscillation
12	X1	X1	I	
13	IC	IC	–	
14	XT2	XT2	–	
15	P04/XT1	XT1	I	Pull-down (100k)
16	VDD	VDD	–	Positive power supply
17	P27/SCK0	p_gp_out_c_6	O	General-purpose output (CMOS_6)
18	P26/SO0/SB1	p_gp_out_c_5	O	General-purpose output (CMOS_5) ISO PHASE LED
19	P25/SI0/SB0	p_gp_out_c_4	O	General-purpose output (CMOS_4) MCACC LED
20	P24/BUSY	p_gp_out_c_3	O	General-purpose output (CMOS_3)
21	P23/STB	p_sys_rdy	O	RDY of Main microcomputer communication
22	P22/SCK1	p_sys_clk	I	CLK of Main microcomputer communication
23	P21/SO1	p_sys_do	O	Data output of Main microcomputer communication
24	P20/SI1	p_sys_di	I	Data input of Main microcomputer communication
25	AVSS	GND	–	A/D converter GND, same electric potential as the EVSS/VSS.
26	P17/ANI7	p_gp_out_c_2	O	General-purpose output (CMOS_2) DIGITAL PROCESSING LED
27	P16/ANI6	p_gp_out_c_1	O	General-purpose output (CMOS_1) HDMI LED
28	P15/ANI5	p_gp_out_c_0	O	General-purpose output (CMOS_0) i.LINK(upper model),DVC (lower model) LED
29	P14/ANI4	p_test_checker	I	Test mode input for checker pull-down by 100K
30	P13/ANI3	p_key4	I	Front key input (A/D)
31	P12/ANI2	p_key3	I	Front key input (A/D)
32	P11/ANI1	p_key2	I	Front key input (A/D)
33	P10/ANI0	p_key1	I	Front key input (A/D)
34	AVDD	VDD	–	Power supply
35	AVREF	AVREF	–	Reference voltage input of A/Dconverter
36	P03/INTP3	p_232c_det	I	232C signal detection A model without RS232C needs pull-up.
37	P02/INTP2	p_sys_cs	I	CS of Main microcomputer communication
38	P01/INTP1	p_mr_in	I	Multi room remote control signal input A model without IR needs pull-up.
39	P00/INTP0/TI0	p_sr_in	I	Main room remote control signal input
40	VSS	VSS	–	Ground
41	P74	p_gp_in_4	I	General-purpose input 4 Pull-down to GND when does not use.
42	P73	p_gp_in_3	I	General-purpose input 3 Pull-down to GND when does not use.
43	P72	p_gp_in_2	I	General-purpose input 2 Pull-down to GND when does not use.
44	P71	p_gp_in_1	I	General-purpose input 1 Pull-down to GND when does not use.
45	P70	p_gp_in_0	I	General-purpose input 0 Pull-down to GND when does not use.
46	VDD	VDD	–	Positive power supply
47	P127/FIP52	p_37s	O	FL drive
48	P126/FIP51	p_36s	O	FL drive
49	P125/FIP50	p_35s	O	FL drive
50	P124/FIP49	p_34s	O	FL drive

No.	Mark	Pin Name	I/O	Pin Function
51	P123/FIP48	p_33s	O	FL drive
52	P122/FIP47	p_32s	O	FL drive
53	P121/FIP46	p_31s	O	FL drive
54	P120/FIP45	p_30s	O	FL drive
55	P117/FIP44	p_29s	O	FL drive
56	P116/FIP43	p_28s	O	FL drive
57	P115/FIP42	p_27s	O	FL drive
58	P114/FIP41	p_26s	O	FL drive
59	P113/FIP40	p_25s	O	FL drive
60	P112/FIP39	p_24s	O	FL drive
61	P111/FIP38	p_23s	O	FL drive
62	P110/FIP37	p_22s	O	FL drive
63	P107/FIP36	p_21s	O	FL drive
64	P106/FIP35	p_20s	O	FL drive
65	P105/FIP34	p_19s	O	FL drive
66	P104/FIP33	p_18s	O	FL drive
67	P103/FIP32	p_17s	O	FL drive
68	P102/FIP31	p_16s	O	FL drive
69	P101/FIP30	p_15s	O	FL drive
70	P100/FIP29	p_14s	O	FL drive
71	P97/FIP28	p_13s	O	FL drive
72	P96/FIP27	p_12s	O	FL drive
73	P95/FIP26	p_11s	O	FL drive
74	P94/FIP25	p_10s	O	FL drive
75	P93/FIP24	p_9s	O	FL drive
76	P92/FIP23	p_8s	O	FL drive
77	P91/FIP22	p_7s	O	FL drive
78	P90/FIP21	p_6s	O	FL drive
79	Vload	VFDP	–	Connect a pull-down resistor of FIP controller/driver
80	P87/FIP20	p_5s	O	FL drive
81	P86/FIP19	p_4s	O	FL drive
82	P85/FIP18	p_3s	O	FL drive
83	P84/FIP17	p_2s	O	FL drive
84	P83/FIP16	p_1s	O	FL drive
85	P82/FIP15	p_16g	O	FL drive
86	P81/FIP14	p_15g	O	FL drive
87	P80/FIP13	p_14g	O	FL drive
88	FIP12	p_13g	O	FL drive
89	FIP11	p_12g	O	FL drive
90	FIP10	p_11g	O	FL drive
91	FIP9	p_10g	O	FL drive
92	FIP8	p_9g	O	FL drive
93	FIP7	p_8g	O	FL drive
94	FIP6	p_7g	O	FL drive
95	FIP5	p_6g	O	FL drive
96	FIP4	p_5g	O	FL drive
97	FIP3	p_4g	O	FL drive
98	FIP2	p_3g	O	FL drive
99	FIP1	p_2g	O	FL drive
100	FIP0	p_1g	O	FL drive

■ PDC131A (COMPOSITE V ASSY : IC2007)

• Character Generator IC

● Pin Arrangement (Top view)



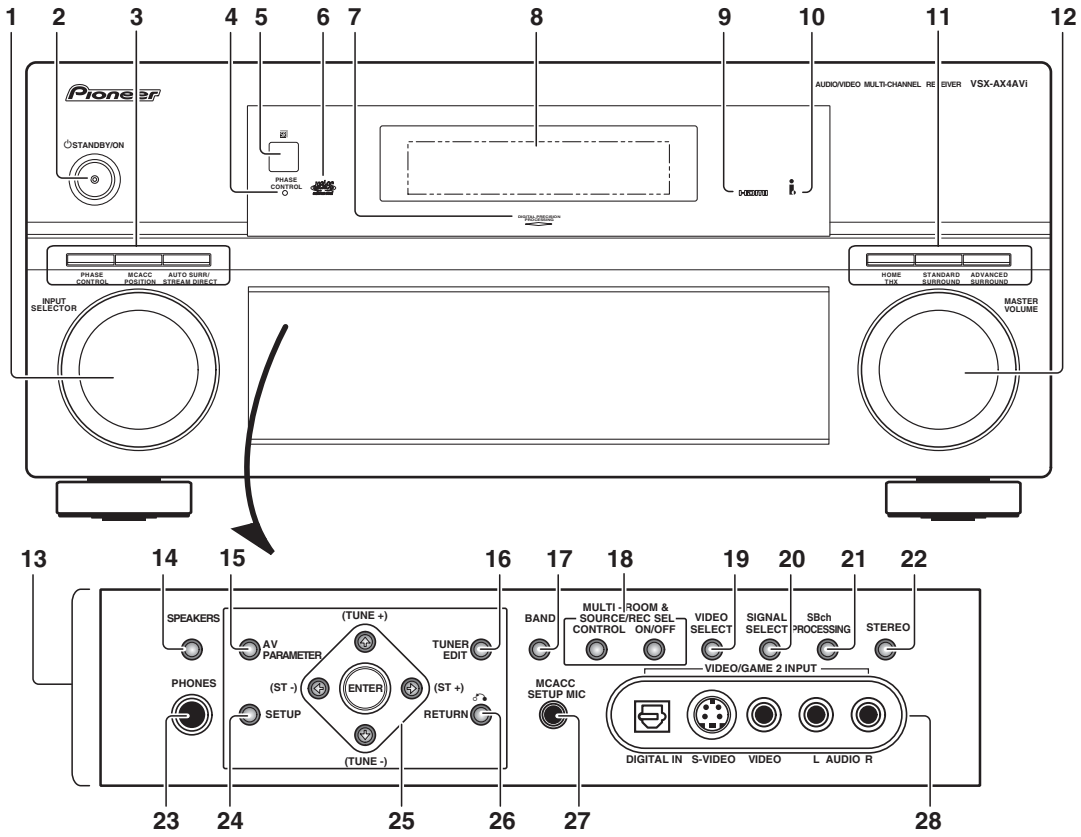
● Pin Function

No.	Pin Name	I/O	Pin Function
1	VSS1	–	Ground connection (digital system ground)
2	XtalIN	I	Crystal oscillator connection
3	XtalOUT	O	Crystal oscillator connection
4	CTRL1	I	Crystal oscillator input switching
5	BLANK	O	Outputs the blank signal
6	OSCIN	I	LC oscillator connection
7	OSCOUT	O	LC oscillator connection
8	CHARA	O	Outputs the character signal
9	$\overline{CS}$	I	Serial data input enable input
10	SCLK	I	Serial data input clock input
11	SIN	I	Serial data input
12	VDD2	–	Power supply
13	CVOUT	O	Composite video signal output
14	NC	–	Must be either connected to ground or left open.
15	CVIN	I	Composite video signal input
16	VDD1	–	Power supply (+5 V: digital system power supply)
17	SYNIN	I	Video signal input for the built-in sync separator circuit
18	SEPC	I	Built-in sync separator circuit bias voltage monitor pin
19	SEPOUT	O	Built-in sync separator circuit composite sync signal output
20	SEPIN	I	Inputs a vertical synchronization signal created by integrating the SEPOUT pin output signal
21	CTRL2	I	NTSC/PAL-M switching input
22	CTRL3	I	Control whether or not the VSYNC signal is input to the SEPIN input
23	$\overline{RST}$	I	System reset input
24	VDD1	–	Power supply (+5 V: digital system power supply)

8. PANEL FACILITIES

Front panel

Illustration shows the VSX-AX4AVi front panel



1 INPUT SELECTOR dial
Use to select an input source.

2 ⏻ STANDBY/ON
Switches the receiver between on and standby. Power indicator lights when the receiver is on.

3 PHASE CONTROL - Press to switch on/off phase correction.
MCACC POSITION - Press to switch between MCACC presets.
AUTO SURR / STREAM DIRECT - Press to select Auto Surround or Stream Direct listening.

4 PHASE CONTROL indicator
Lights when Phase Control is switched.

5 Remote sensor
Receives the signals from the remote control (see Operating range of remote control unit).

6 MCACC indicator
Lights when one of the MCACC presets is selected.

7 Digital Precision Processing indicator
Lights to indicate digital processing (for example, it disappears when Pure Direct is on, or when listening through the multichannel analog inputs).

8 Character display
See Display.

9 HDMI indicator
Blinks when connecting an HDMI-equipped component; lights when the component is connected.

10 i.LINK indicator (VSX-AX4AVi only)
Lights when an i.LINK-Audio-equipped component is selected.

DIGITAL VIDEO CONVERSION indicator (VSX-AX2AV only)
Lights when digital video conversion is enabled.

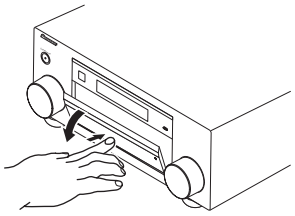
11 Listening mode buttons
HOME THX - Press to select a Home THX listening mode.

STANDARD SURROUND - Press for Standard decoding and to switch between the various Pro Logic IIx and Neo:6 options.

ADVANCED SURROUND - Use to switch between the various surround modes.

12 MASTER VOLUME dial

13 Front panel controls
To access the front panel controls, push gently on the lower third portion of the panel with your finger.



14 SPEAKERS
Use to change the speaker system.

15 AV PARAMETER
Use to access the AV options.

16 TUNER EDIT
Use with ⬅/➡ to memorize and name stations for recall.

17 BAND
Switches between AM and FM radio bands.

18 MULTI ROOM & SOURCE / REC SEL controls
If youíve made multi-room connections (see Multi-room listening) use these controls to control the sub room from the main room (see Using the multi-room controls).

You will also need to use the **REC SEL** controls when recording a source (see Making an audio or a video recording.

19 VIDEO SELECT
Press repeatedly to select the video source.

20 SIGNAL SELECT
Use to select an input signal.

21 SBch PROCESSING
Selects the surround back channel mode or virtual surround back mode.

22 STEREO
Switches to stereo playback.

23 PHONES jack
Use to connect headphones. When the headphones are connected, there is no sound output from the speakers.

24 SETUP
Press to access the System Setup menu.

25 ⬅➡⬇⬆ (TUNE/ST +/–) /ENTER
Use the arrow buttons when setting up your surround sound system. Use the **TUNE +/-** buttons to find radio frequencies and use **ST +/-** to find preset stations.

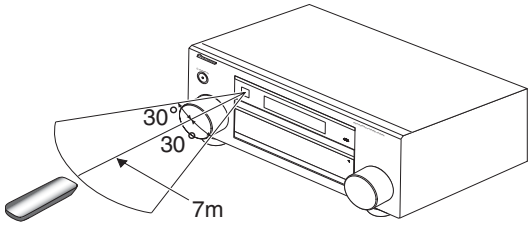
26 RETURN
Press to confirm and exit the current menu screen.

27 MCACC SETUP MIC jack
Use to connect the supplied microphone.

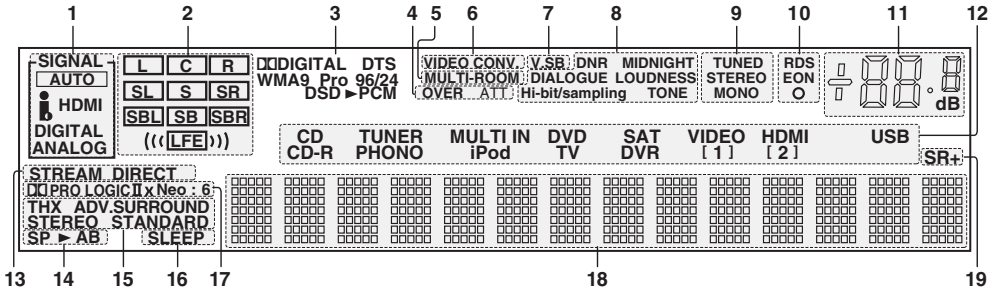
28 VIDEO/GAME 2 INPUT
See Connecting a component to the front panel inputs.

Operating range of remote control unit
The remote control may not work properly if:

- There are obstacles between the remote control and the receiver's remote sensor.
- Direct sunlight or fluorescent light is shining onto the remote sensor.
- The receiver is located near a device that is emitting infrared rays.
- The receiver is operated simultaneously with another infrared remote control unit.



Display



1 SIGNAL indicators
Light to indicate the currently selected input signal. **AUTO** lights when the receiver is set to select the input input signal automatically.

2 Program format indicators
These change according to which channels are active in digital sources.

L - Left front channel
C - Center channel
R - Right front channel
SL - Left surround channel
S - Surround channel (mono)
SR - Right surround channel
SBL - Left surround back channel
SB - Surround back channel (mono)
SBR - Right surround back channel
LFE - Low frequency effects channel (the **((( )))**indicators light when an LFE signal is being input)

3 Digital format indicators
Light when a signal encoded in the corresponding format is detected (**DSD PCM** lights during DSD (Digital Stream Direct) to PCM conversion with SACDs).

4 OVER/ ATT
OVER lights to indicate that the level of an analog source is too high. **ATT** lights when you use the attenuator (**ANALOG ATT**) to reduce it.

5 MULTI-ROOM
Lights when the multi-room feature is active.

6 VIDEO CONV.
Lights when digital video conversion is enabled.

7 V.SB
Lights during Virtual surround back processing.

8 Sound processing indicators
Light according to the active AV parameter(s).

9 TUNER indicators
TUNED - Lights when a broadcast is being received.

STEREO - Lights when a stereo FM broadcast is being received in auto stereo mode.

MONO - Lights when the mono mode is set using the **MPX** button.

10 EON / RDS indicators
EON - Lights when the EON mode is set (flashes during EON reception). The O indicator lights when the current station carries the EON service.

RDS - Lights when an RDS broadcast is is received.

11 Master volume level
Shows the overall volume level. **-80dB** indicates the minimum level, and **+12dB**indicates the maximum level.

12 Input source indicators
Light to indicate the input source you have selected.

13 STREAM DIRECT
Lights when Direct / Pure Direct is selected.

14 Speaker indicators
Indicate the current speaker system, **A** and/or **B**.

15 Listening mode indicators
THX - Lights when a Home THX mode is selected.

ADV. SURROUND - Lights when an Advanced Surround mode has been selected.

STEREO - Lights when stereo listening is switched on (see Listening in stereo).

STANDARD - Lights when a Standard Surround Surround mode is switched on (see Listening in surround sound).

16 SLEEP
Lights when the receiver is in sleep mode.

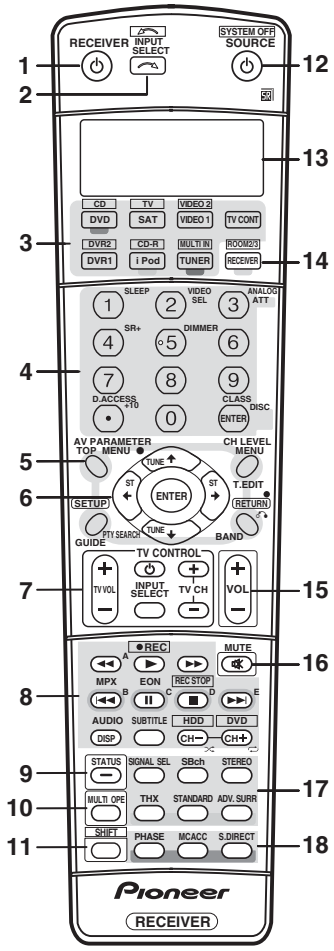
17 Matrix decoding format indicators
PRO LOGIC IIx - This lights to indicate Pro Logic II / Pro Logic IIx decoding.

Neo:6 - When one of the Neo:6 modes of the receiver is on, this lights to indicate Neo:6 processing .

18 Character display
Displays various system information.

19 SR+
Lights when the SR+ mode is switched.

Remote control



The remote has been conveniently color-coded according to component control using the following system (press the corresponding input source button to access):

- **Green** - Receiver controls (see below)
- **Red** - DVD controls
- **Blue** - Tuner controls
- **Yellow** - iPod controls
- **White** - Other controls

1 RECEIVER
This switches between standby and on for this receiver.

2 INPUT SELECT
Use to select the input source (use **SHIFT** for **INPUT SELECT**).

3 Input source buttons
Press to select control of other components (see *Controlling the rest of your system*).

4 Number buttons and other receiver/ component controls
Use the number buttons to directly select a radio frequency or the tracks on a CD, DVD, etc.

DISC (ENTER) can be used to enter commands for TV or DTV, and also to select a disc in a multi-CD player.

Press **RECEIVER** first to access:

SLEEP - Use to put the receiver in sleep mode and select the amount of time before sleep.

VIDEO SEL - Press repeatedly to select the video source.

ANALOG ATT - Attenuates (lowers) the level of an analog input signal to prevent distortion.

SR+ - Switches the SR+ mode on/off.

DIMMER - Dims or brightens the display.

Press **TUNER** first to access:

D.ACCESS - After pressing, you can access a radio station directly using the number buttons.

CLASS- Switches between the three banks (classes) of radio station presets.

5 Tuner/component control buttons/SETUP
These button controls can be accessed after you have selected the corresponding input source button (**DVD/LD**, **TV/SAT**, etc.). The **BAND**, **T.EDIT** and **PTY SEARCH** tuner controls are explained. Press **RECEIVER** first to access the following controls:

AV PARAMETER - Use to access the AV options.

SETUP - Use to access the System Setup menu.

CH LEVEL - Press repeatedly to select a channel, then use ⬅/➡ to adjust the level.

RETURN - Press to confirm and exit the current menu screen (also use to return to the previous menu with DVDs or to select closed captioning with DTV).

6 ⬅➡⬇⬆ (TUNE / ST) / ENTER
Use the arrow buttons when setting up your surround sound system and the AV options. Also used to control DVD menus/options and for deck 1 of a double cassette deck player. Use the **TUNE** ⬆/⬇ buttons to find radio frequencies and use **ST** to find preset stations.

7 TV CONTROL buttons
These buttons are dedicated to control the TV assigned to the TV CONT button. Thus if you only have one TV to hook up to this system assign it to the **TV CONT** input source button. If you have two TVs, assign the main TV to the **TV CONT** button.

TV - Use to turn on/off the power of the TV.

TV VOL +/– - Use to adjust the volume on your TV.

INPUT SELECT - Use to select the TV input signal.

TV CH +/– - Use to select channels.

8 Component control buttons

The main buttons (►, ■, etc.) are used to control a component after you have selected it using the input source buttons.

The controls above these buttons can be accessed after you have selected the corresponding input source button (for example **DVD**, **DVR1**, **TV** or **SAT**). The following controls can be accessed when listening to the built-in tuner:

MPX - Switches between stereo and mono reception of FM broadcasts. If the signal is weak then switching to mono will improve the sound quality.

DISP - Switches between named station presets and radio frequencies.

EON - Use to search for programs that are broadcasting traffic or news information.

9 STATUS

Press to check selected receiver settings.

10 MULTIOPE

Use this button to perform multi operations.

11 SHIFT

Press to access the controls outlined in white boxes (for example, **INPUT SELECT**), or to display the currently selected input source in the remote control LCD.

12 SOURCE ⏻

Press to turn on/off other components connected to the receiver.

13 Character display (LCD)

This display shows information when transmitting control signals.

The following commands are shown when youíre setting the remote to control other components (see Controlling the rest of your system):

SETUP - Indicates the setup mode, from which you choose the options below.

PRESET - See Selecting preset codes directly directly on.

LEARNING - See Programming signals from other remote controls.

MULTI OP - See Multi Operation and System Off.

SYS OFF - See Multi Operation and System Off.

DIRECT F - See Direct function.

RENAME - See Renaming input source names.

ERASE - See Erasing one of the remote control button settings.

RESET - See Resetting the remote control presets.

READ ID - See Confirming preset codes.

14 RECEIVER

Switches the remote to control the receiver (used to select the green commands above the number buttons (**ANALOG ATT**, etc). Also use this button to set up surround sound. With **SHIFT**, this selects the multi-room control, shown in the display as **RCV/RM2**, **RCV/RM3**.

15 VOL +/–

Use to set the listening volume.

16 MUTE

Mutes the sound or restores the sound if it has been muted (adjusting the volume also restores the sound).

17 Receiver controls

SIGNAL SEL -Use to select an input signal.

SBch - Use to select the surround/virtual back channel mode.

STEREO - Switches between direct and stereo playback. Direct playback bypasses the tone controls and any other signal processing for the most accurate reproduction of a source.

THX - Press to select a Home THX listening mode.

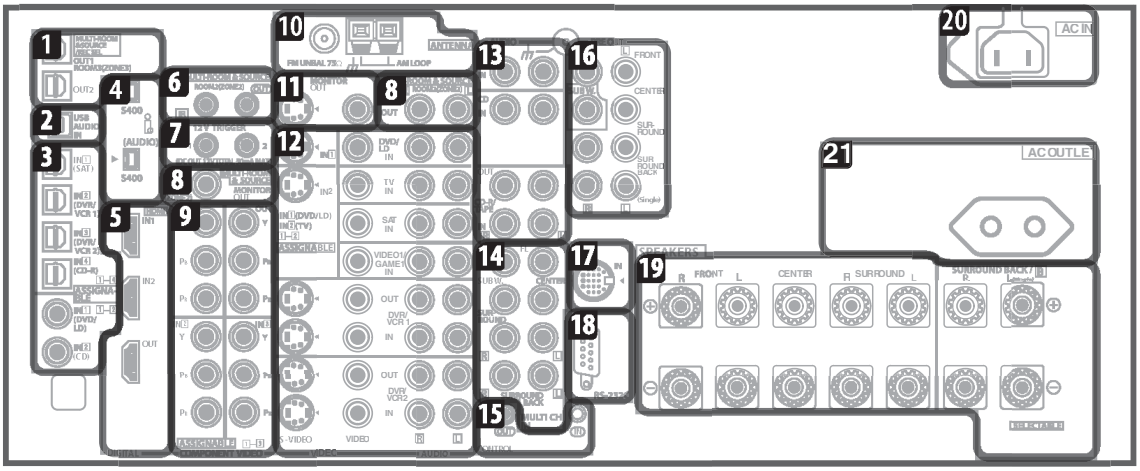
STANDARD - Press for Standard decoding nd to switch between the various Pro Logic IIx and Neo:6 options.

ADV.SURR - Use to switch between the various surround modes.

PHASE - Press to switch on/off phase correction

18 MCACC - Press to switch between MCACC presets.

S.DIRECT - Press to select Auto Surround or Stream Direct listening.



Caution

- Before making or changing the connections, switch off the power and disconnect the power cord from the power outlet. Plugging in should be the final step.

1 Optical digital audio output(s)
Use the **OUT1** and (VSX-AX4AVi only)**OUT2** jack for recording to a CD or MiniDisc recorder.
→ Connecting digital audio sources on.

The**OUT1** jack is also used for multi-room connections.
→ Multi-room listening

2 USB audio input (VSX-AX4AVi only)
Use to connect your PC as an audio source.
→ Using the USB interface.

3 Optical and coaxial digital audio inputs (x6)
Use for digital audio sources, including DVD players/recorders, digital satellite receivers, CD players, etc.

→ See also The Input Setup menuto assign the inputs.

4 S-400 i.LINK connectors (x2) (VSX-AX4AVi only)
Use to connect other i.LINK audio devices for high-resolution, multichannel digital audio input/output.
→ Using the i.LINK interface.

5 HDMI connectors (x3)
Two inputs and one output for high-quality audio/video connection to compatible HDMI devices.
→ Connecting using HDMI.

6 Remote input (multi-room and source)
Use for connection to an external remote control sensor for use in a multi-room setup, for example.
→ Connecting an IR receiver.

7 12V trigger jacks (total 50 mA max.)**(x2)**
Use to switch components in your system on and off according to the input function of the receiver.
→ Switching components on and off using the12 volt trigger.

8 Multi-room and source outputs
Use to connect a second amplifier in a separate room.
→ Multi-room listening.

9 Component video connections (x4)
Use the inputs to connect any video source that has component video output, such as a DVD recorder. Use the output for connection to a monitor or TV.
→ Using the component video jacks.

10 AM and FM antenna terminals
Use to connect indoor or outdoor antennas for radio broadcasts.
→ Connecting antennas.

11 Composite and S-video monitor outputs
Use to connect monitors and TVs.
→Connecting your TV and DVD player.

12 Audio/video source inputs/(outputs) (x6)
Use for connection to audio/visual sources, such as DVD players/recorders, VCRs, etc. Each set of inputs has jacksfor composite video, S-video and stereo analog audio.
→Connecting a DVD/HDD recorder, VCR and other video sources.

13 Stereo analog audio source inputs/ (outputs) (x3)
Use for connection to audio sources such as CD players, tape decks, turntables, etc.
→Connecting analog audio sources.

14 Multichannel analog audio inputs
7.1 channel inputs for connection to a DVD player multichannel analog outputs.
→Connecting the multichannel analog inputs.

15 Control input/output
Use to connect other Pioneer components so that you can control all your equipment from a single IR remote sensor.
→ Operating other Pioneer components with this unit'ssensor.

16 Multichannel pre-amplifier outputs
Use to connect separate amplifiers for center, surround, surround back and subwoofer channels.
→Connecting additional amplifiers(see also Installing your speaker system for powered subwoofer connection).

17 iPod input terminal
Use to connect your Apple iPod as an audio source.
→Connecting an iPod.

18 RS-232C connector
Use for connection to a PC for graphical output when using Advanced MCACC.
→Connecting a PC for Advanced MCACC output.

19 Speaker terminals
Use for connection to the main front, center, surround and surround back speakers.
→Installing your speaker system.

20 AC IN inlet
Connect the supplied power cord here.

21 Switched AC power outlet (100W/0.4A max.)
Use to power another component in the system Power to the outlet switches on and off with the receiver.
→AC outlet.

■ Jigs list

Name	Jig No.	Remarks
RS-232C I/F JIG	GGF1348	Update of the flash ROM
Flexible Cable (7P)	VDA1681	Update of the flash ROM
Audio control cable for iPod	ADE7119	Check of iPod

■ CLEANING

Before shipping out the product, be sure to clean the following positions by using the prescribed cleaning tools:

Position to be cleaned	Cleaning tools
Fans	Cleaning paper : GED-008